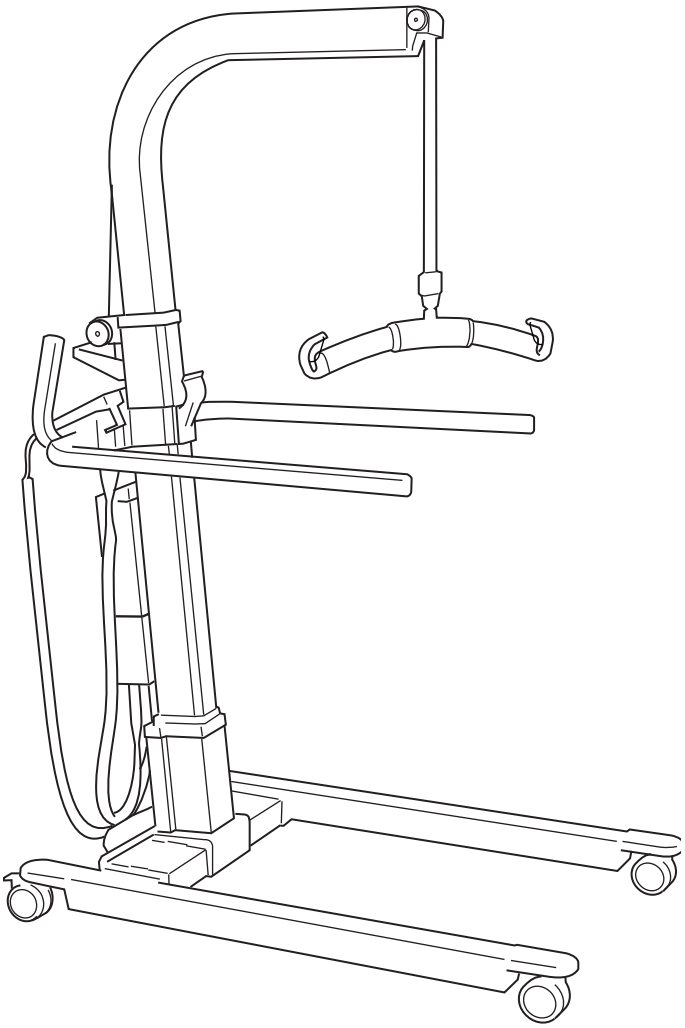
Golvo 7000 / 7007ES, facelift

Service Manual

English

3EN400401-03
2007-10-23

Prod.no: 2000009, 2000010
Proj: 675



LIFTS WITH CARE

Liko

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Golvo 7000 / 7007ES, facelift

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Care and Maintenance

For safe and trouble-free operation, a few routine procedures should be performed every day the lift is used:

- Visually inspect the lift and check for external damage or wear
- Check the slingbar connector
- Check the lift strap for wear and make sure it is not twisted
- Check that the safety latches work properly
- Test the operation of raising and lowering and the base width function
- Check that the correct lifting range has been set and that the emergency lowering functions
- Charge the battery every day the lift is being used, and check the charger function

If needed, clean the patient lift with common water-based surface disinfectants. **Warning! Do not routinely use chemicals containing phenol or chlorine, since these may damage aluminium and polyamide materials.**

Transportation and storage
During transportation, or when the patient lift is not to be used for some time, the emergency button should be pushed in. Also, when storing, keep the patient lift at a temperature exceeding freezing point and at a relative humidity no more than 60%.

Inspection
Golvo should be thoroughly serviced at least once per year. Pay particular attention to parts that show wear. Service must be carried out according to Liko service manual and by authorized staff.

> △ **IMPORTANT!**
> Repairs and maintenance may only be carried out by authorized Liko service personnel using original Liko parts.

Service agreements
Liko invites you to sign a service agreement for regular maintenance and testing of your Golvo lift.

We always try to improve our products. Naturally, this means changes from time to time.
Please contact our local representative or your nearest Liko office to receive the latest updates.

Made in Sweden

Liko is quality certified according to ISO 9001 and environment certified according to ISO 14001.

Technical Data

Lifting speed: Two speeds: 4.8 cm/s (1.9 inch./s) and 3.2 cm/s (1.3 inch./s). Both speeds without load.

Batteries: Two 2.9Ah - 12V valve regulated rechargable leadacid batteries. New batteries are provided by the supplier.

Battery charger: Built-in charger for 100-240V, 50-60 Hz, max 400 mA.

Motor (mast): 24V, 6.5 A. Manufactured by Liko with planetary gearing and safety nut (prevents excessive wear).

Motor (base): 24V, 3.5A. Geared motor.

Wheels: Standard front: 75 mm twin wheels. Standard rear: 75 mm lockable twin wheels.

Material: Anodized aluminium.

Em. lowering: Mechanical and electrical.

Intermittent operation: Int. Op 10/90, active operation max 2 min. Out of a time of 100, active must be less than 10, however not more than 2 min.

Degree of protection: IP 43

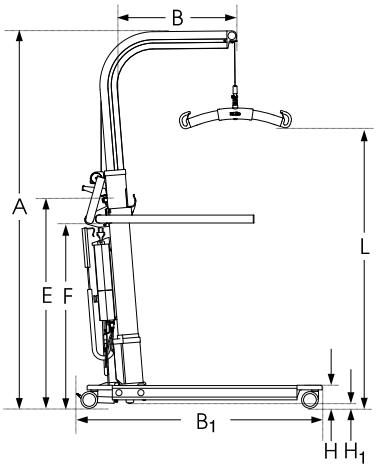
This device is built for indoor operation.

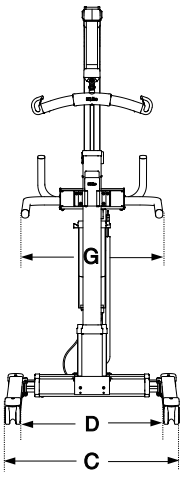
Type B according to the degree of protection against electric shock.

Class II equipment.

Patented

Measurements





Model	Max. load	L Max	A Max	A Min	B	B_1	C	D	E	F	G	H	H_1	Weight	Turning-diameter
Golvo 7000 ES	200	175	199	134	54	112	67-95	53-81	96	84	60	11	2,3	42	124
Golvo 7007 ES	200	185	208	144	58	119	75-102	62-90	106	94	60	11	2,3	44	133

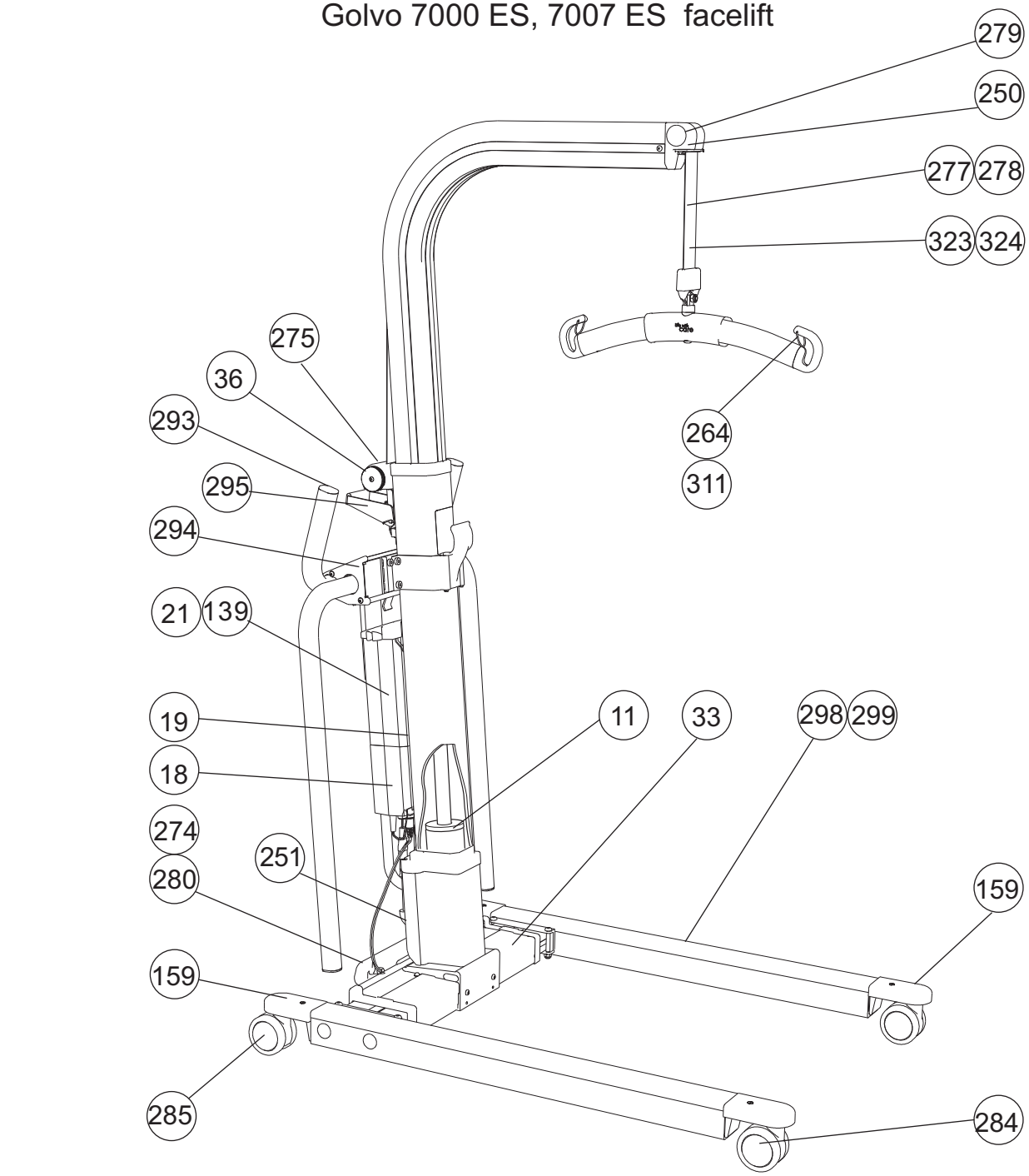
Maximum load and weight in kg. Measurement in cm. Lifting range 126 cm, adjustable.

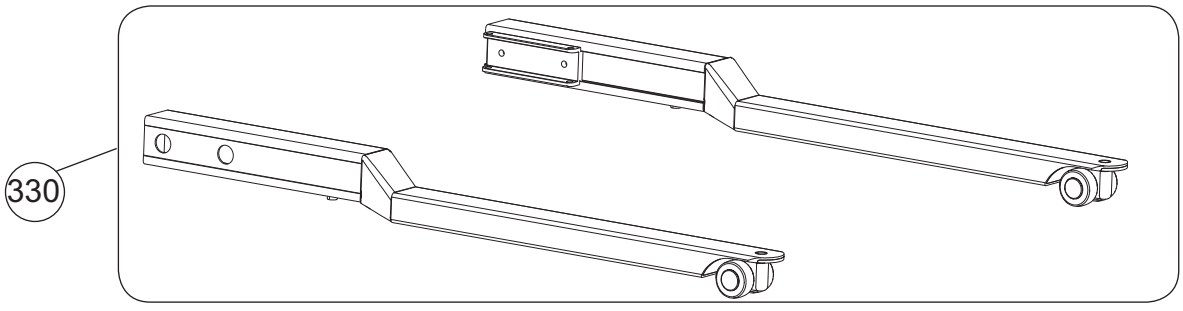
Model	Max. load	L Max	A Max	A Min	B	B_1	C	D	E	F	G	H	H_1	Weight	Turning-diameter
Golvo 7000 ES	440	69	78	53	21	44	26-38	21-32	38	33	24	4	1	93	49
Golvo 7007 ES	440	73	82	57	23	47	30-40	24-35	42	37	24	4	1	97	52

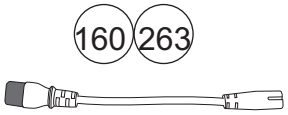
Maximum load and weight in lbs. Measurement in inches. Lifting range 49.6 inches, adjustable.

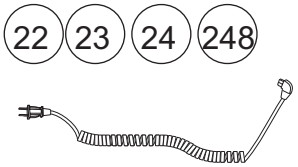
Spare parts positions

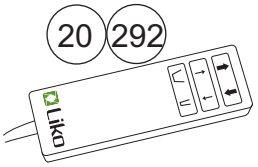
Golvo 7000 ES, 7007 ES facelift



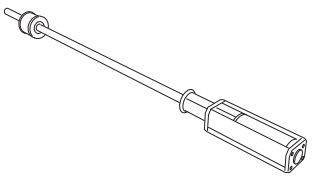
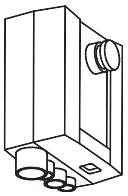
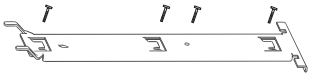
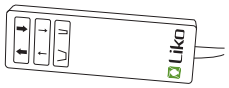
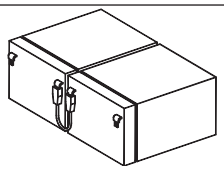
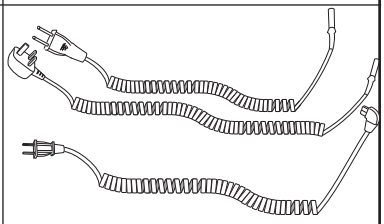
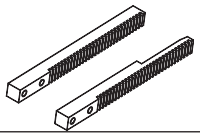
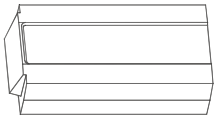
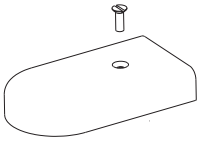






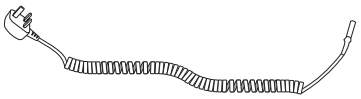
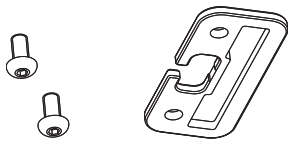
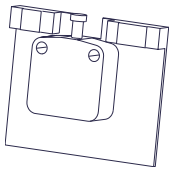
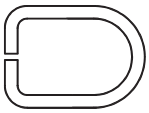
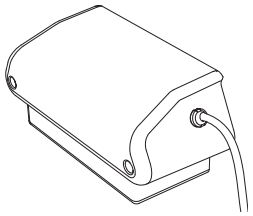
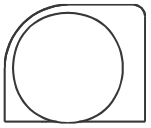
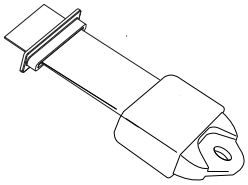
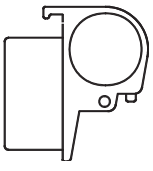
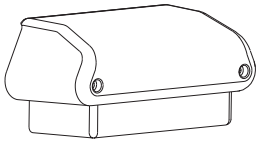
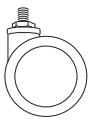


Spare Parts List

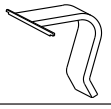
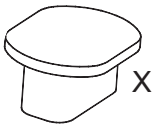
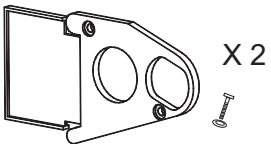
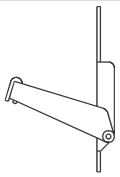
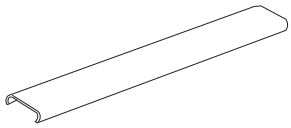
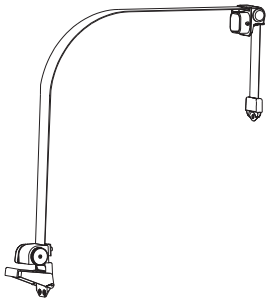
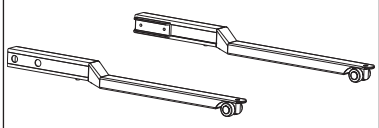
Golvo 7000 ES, 7007 ES facelift				
PART.NO	POS.NO	ARTICLE	UNIT	
20090014	11	Actuator G7/G77	pce	
20090022	18	Controlbox G7/G77 ES	pce	
20090023	19	Attachment for Controlbox	pce	
20090024	20	Handcontrol ES 6-Button	pce	
20090025	21	Battery 2.9 Ah/12V	pair	
20090026 20090027 20090028	22 23 24	Cable for Charging EU Cable for Charging UK Cable for Charging US	pce pce pce	
20090038	33	Gear Rack set G7/G77	pair	
20090041	36	Spring Magazine	pce	
2006106	139	Extra Battery box, incl. Batteries	pce	
20390006	159	Front Fork Cover LL,Vi,Golvo	pair	 X 2
21090001	160	Extension Cable	pce	

Spare Parts List

Golvo 7000 ES, 7007 ES facelift

PART.NO	POS.NO	ARTICLE	UNIT	
20090050	248	Cable for Charging AU/NZ	pce	
20090051	250	Reinforcement Plate G7/G77 (From serial no 7022914/7725944)	pce	
20090052	251	Limit Switch G7/G77	pce	
21090011	263	Extension Cable US	pce	
31590011	264	Safety Latch Universal Slingbar	pair	 X 2
20090059	274	Motor Base Width Adj. G7/G77 grey	pce	
20090060	275	Plastic Housing grey	pce	
20090062 20090063	277 278	Lift Strap G7 grey Lift Strap G77 grey	pce pce	
20090064	279	Roll Frame Attachment G7/G77 grey	pce	
20090065	280	Base Motor Cover grey	pce	
20490014	284	Front Wheel 75 mm Standard (From serial no 7024206/7729722)	pce pce	

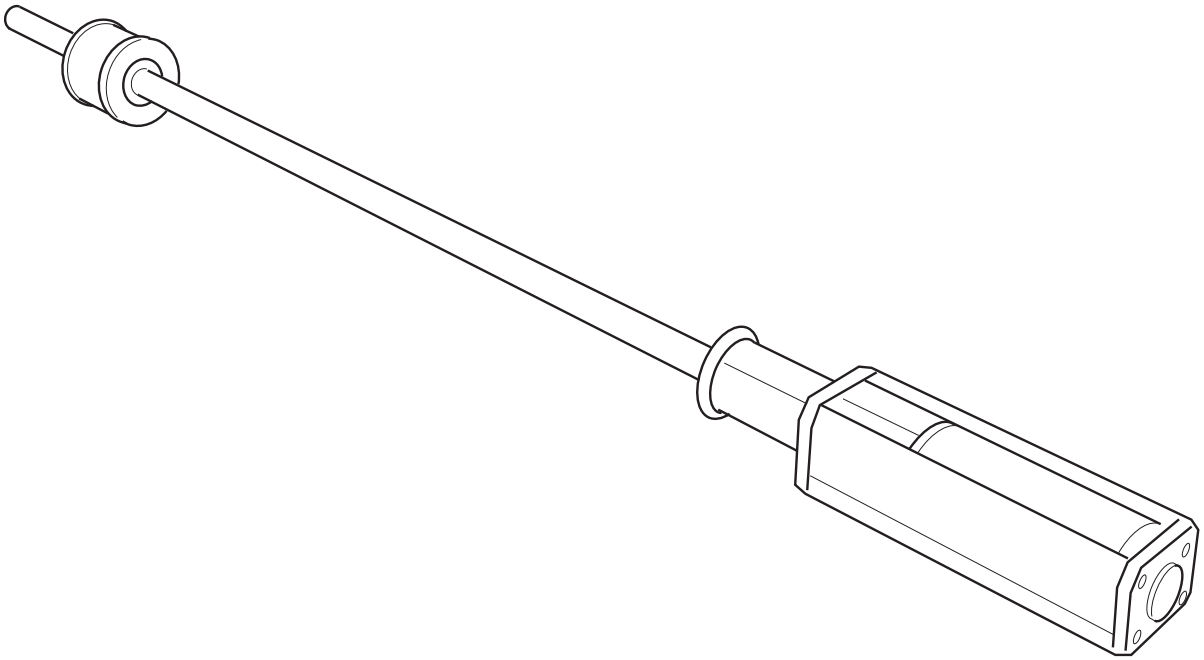
Spare Parts List

Golvo 7000 ES, 7007 ES facelift				
PART.NO	POS.NO	ARTICLE	UNIT	
20490015	285	Rear Wheel 75 mm Standard (From serial no 7024206/7729722)	pce	
20090058	292	Hook for Handcontrol 2,4,6	pce	
20090066	293	End Cover Handle/Arm Support grey	set	
20090067	294	End Cover Armrest grey	pair	
20090068	295	Body/Handle set for Emerg. Low. Device G7/G77	pce	
2006011G 2006012G	298 299	Leg Protector G7 grey Leg Protector G77 grey	pair pair	
31590014	311	Safety Latch, composite	pair	
20090069 20090070	323 324	Easy Strapper G7 Easy Strapper G77	set set	
20090071	330	Low base kit Golvo 7007	set	

Actuator G7/G77

Prod.no: 20090014
2003-09-09

From S/N..7024206/7729722 Version.....V1.....



Details included in sparepart:

Detail no.	Details:	Unit:
20090014	Actuator G7/G77	1

Assembly Instruction
Monteringsanvisning

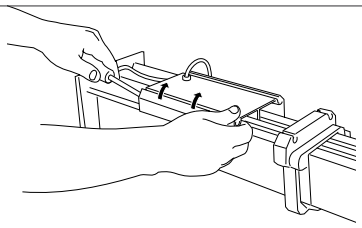
Prod.no: 20090014

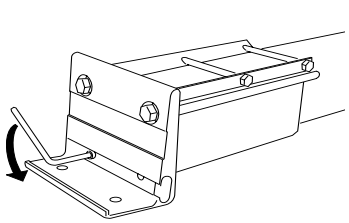
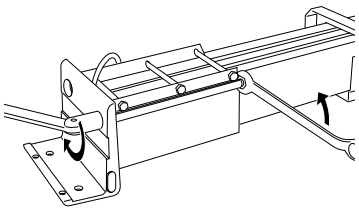
Doc. no: 3SE630249-01
2006-03-24

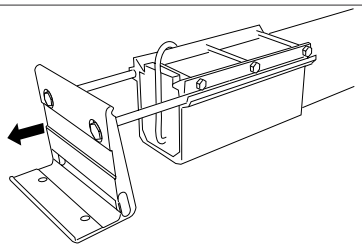
17 mm

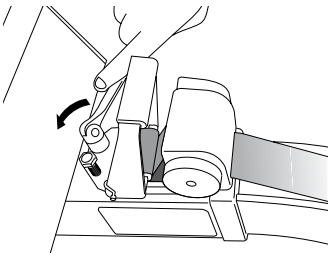
3 and 6 mm

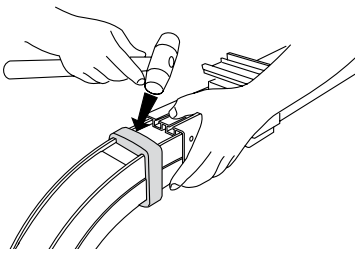
13 and 17 mm

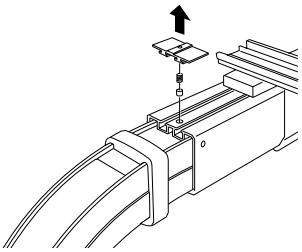

1. Remove the EB cover.

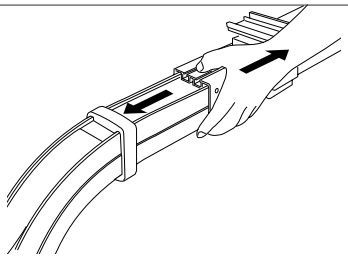


2. Remove the screws and the locking nut from the mast attachment.

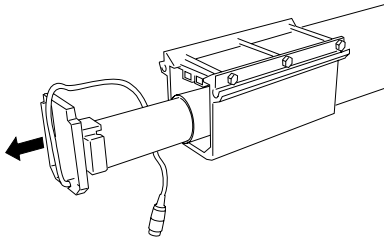

3. Remove the mast attachment.

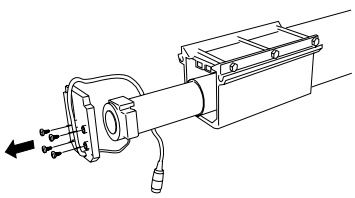

4. Remove the Emergency lowering device.

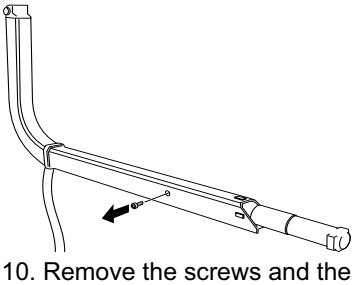
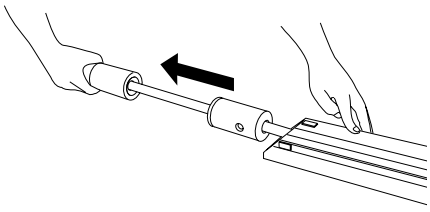

5. Unfix the screw and the plastic cover.


6. Unfix the aluminium holder


7. Unfix the spring and the slipper.


8. Push the innermast through the mast.

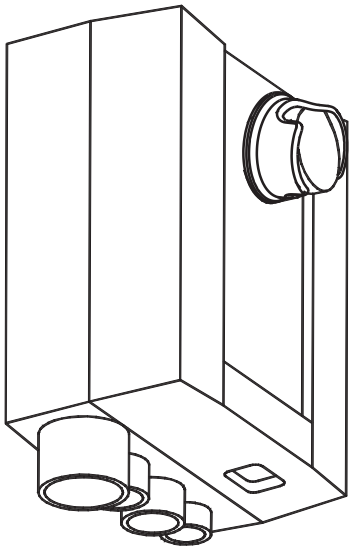

9. Remove the screws from the motorplate.

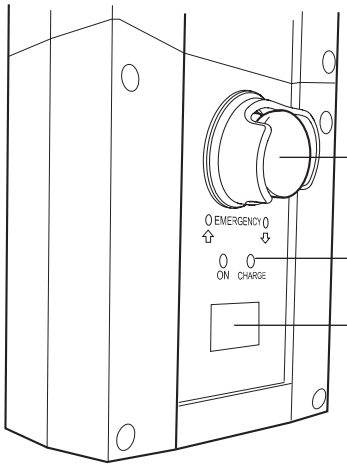


10. Remove the screws and the plastic casing. Pull out the actuator.

Control Box G7/G77 ES

Prod.no: 20090022
2003-09-09

From S/N..... Version.....





Electrical Emergency Lowering

Indication lights

LCD-display showing battery capacity

Details included in sparepart:

Detail no.	Details:	Unit:
950000027	Controlbox Golvo	1
900000292	Plastic cover IKPT 12 15 G	1
901535091	Emergency guard	1

Assembly Instruction
Monteringsanvisning

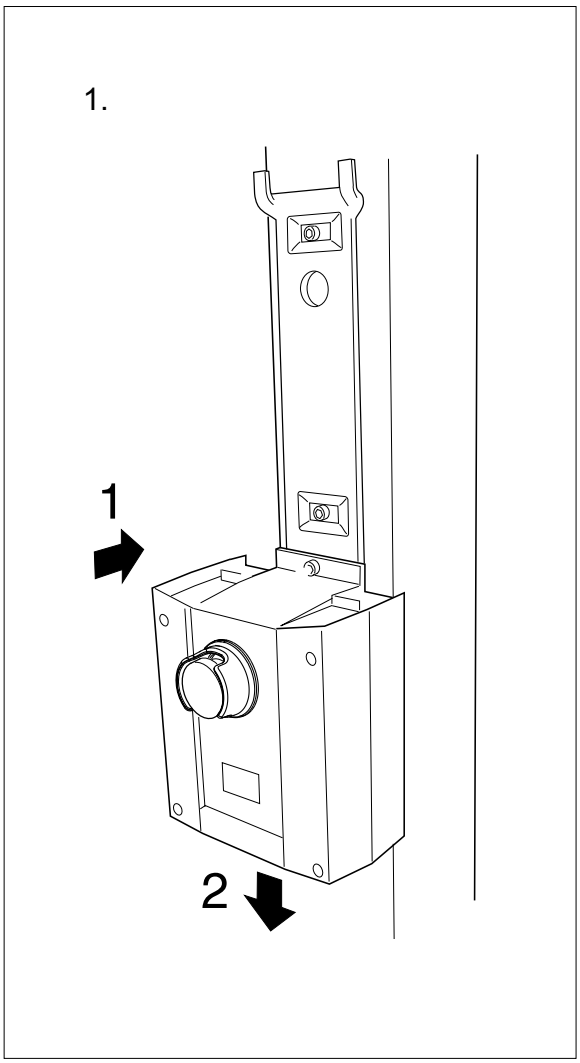
Prod.no: 20090022, 20190013
20190014, 20290011
20290024, 20390007
20490009, 20490013

Doc. no: 3SE630223-02
2005-12-08

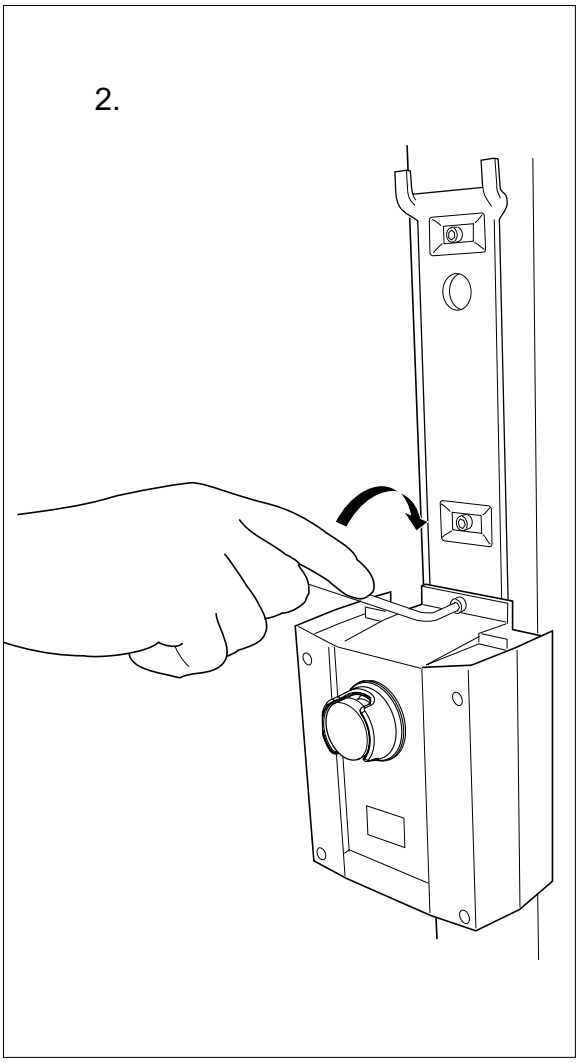
Tools required:

3 mm

1.



2.

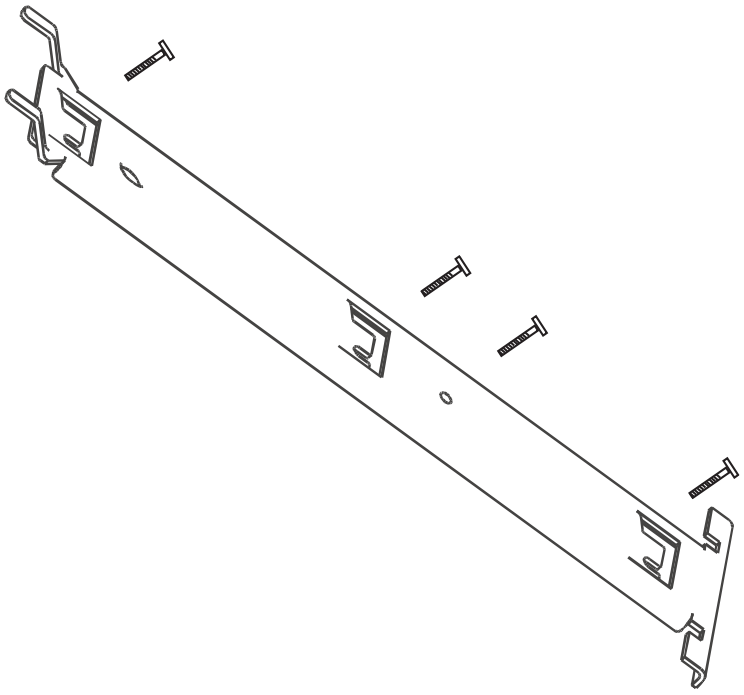


20090022 Golvo 7000/7007
20190013 Uno 100/102 EE, EM
20190014 Uno 100/102 ES
20290011 Sabina
20290024 Sabina II
20390007 Liko Light
20490009 Viking L, Viking XL
20490013 Viking M

Attachment for Control Box

Prod.no: 20090023

From S/N..... Version.....



x3

Details included in sparepart:

Detail no.	Details:	Unit:
900000001	Attachment for controlbox MBJ2	1
930000001	Screw MC6S M5x8 low	4
930000390	Screw MRT-GF M5x16	3

Attachment for Control Box
Monteringsbeslag kontrollbox

Assembly Instruction
Monteringsanvisning

Prod no: 20090023

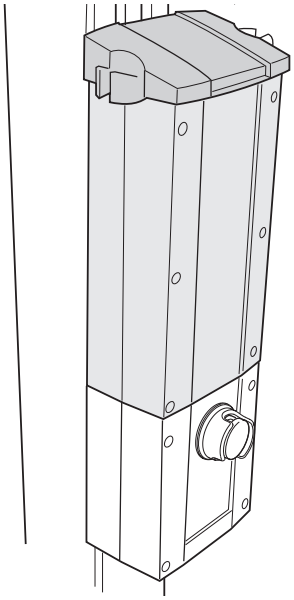
3SE630238-02
2007-09-10

Tools required:

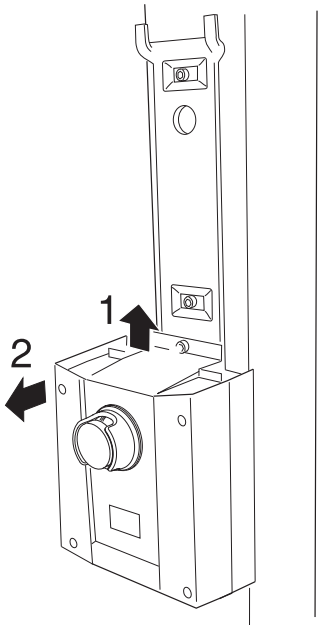
3 mm

T25

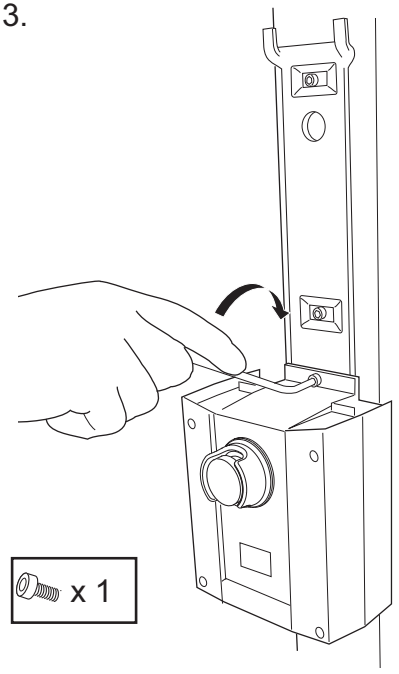
1.



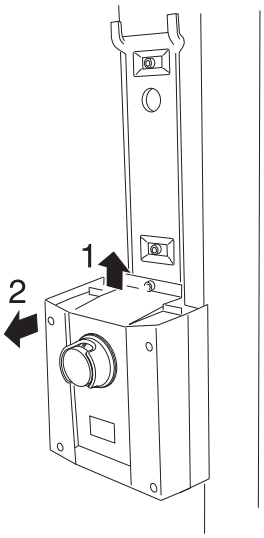
2.



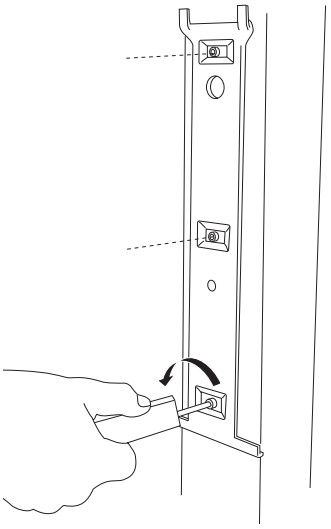
3.



4.



5.



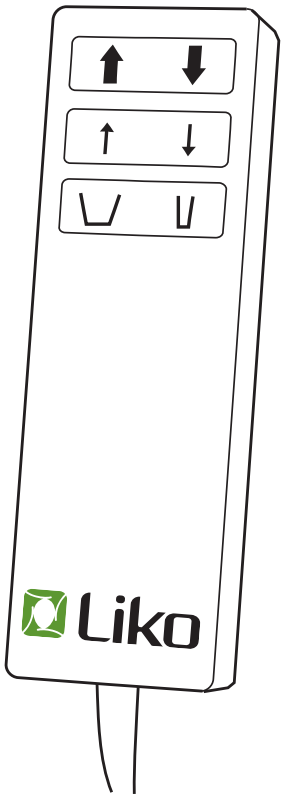
x 3 (Viking M, L, XL)

x 3 (Sabina, Uno)

Hand Control ES 6-button

Prod.no: 20090024

From S/N..... Version.....



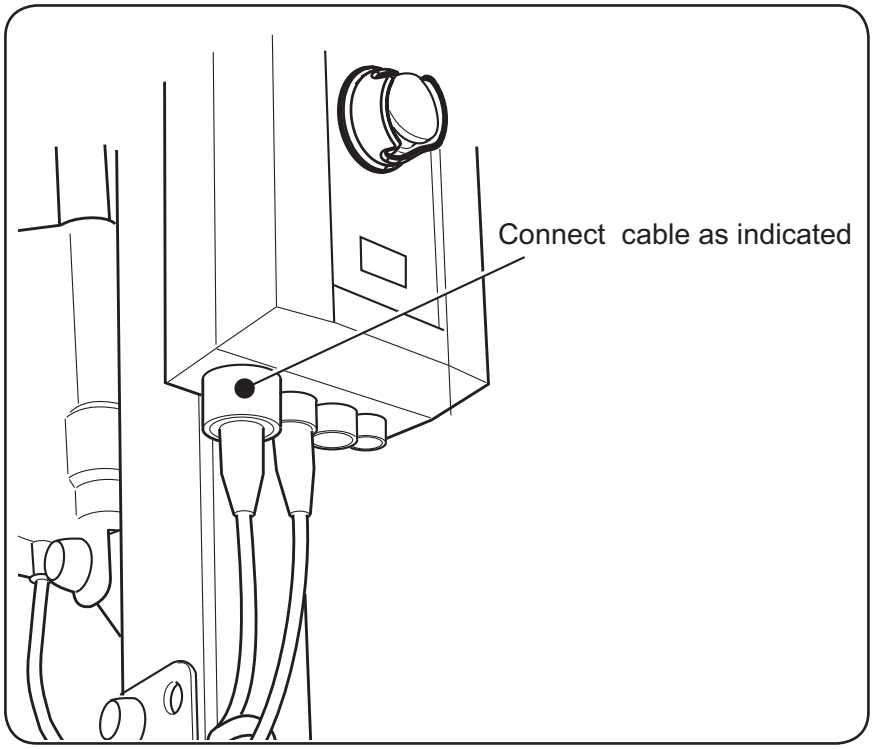
Details included in sparepart:

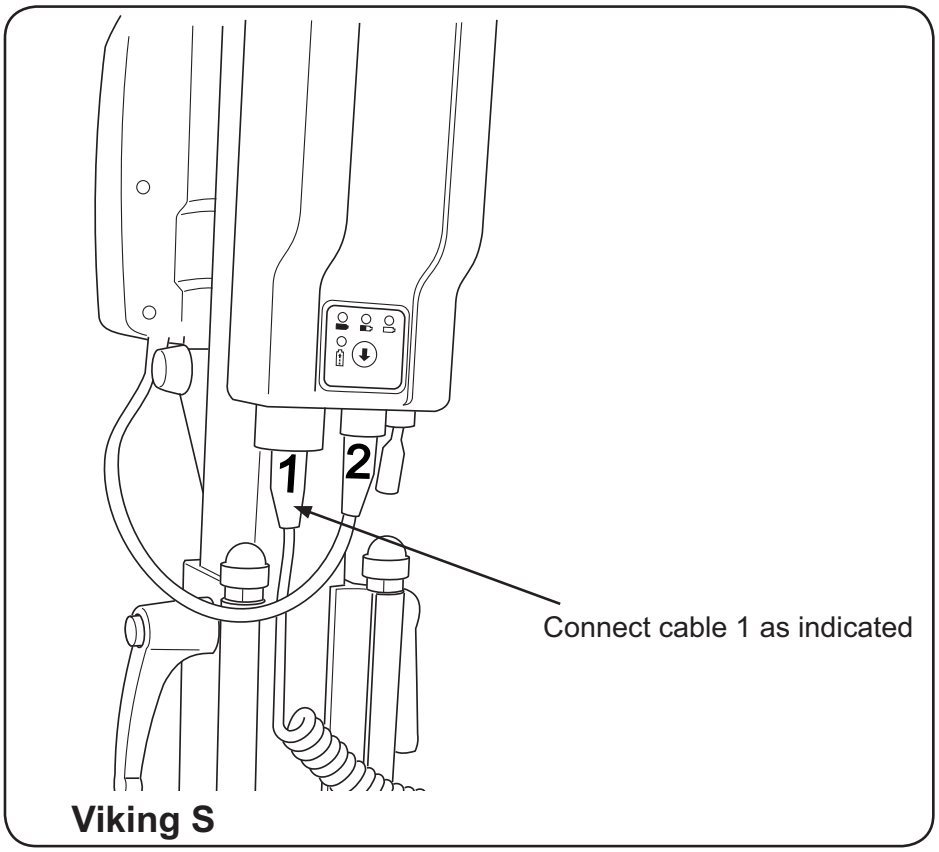
Detail no.	Details:	Unit:
950000047	Handcontrol ES	1

Assembly Instruction
Monteringsanvisning

Prod no: 20090024
20190016
20190017

3SE630204-07
2007-09-10



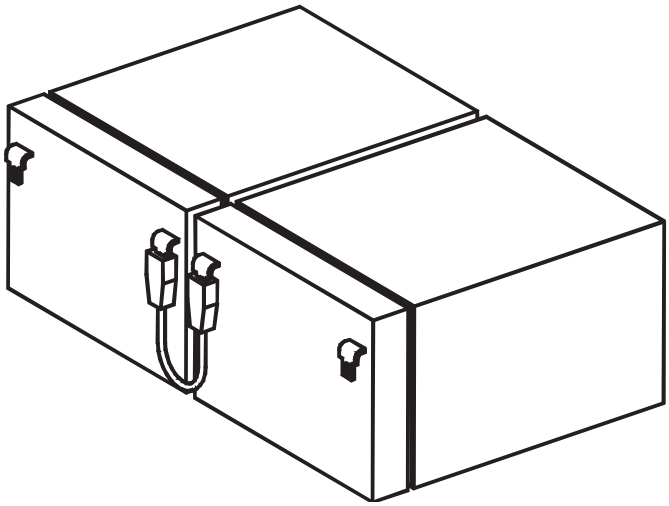


Viking S

Battery 2,9 Ah/12V

Prod.no: 20090025
2003-09-09

From S/N..... Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
950000053	Battery 1 pair with cable	1

Two 2,9Ah - 12V valve regulated rechargable leadacid batteries.
New batteries are supplied by the manufacturer.

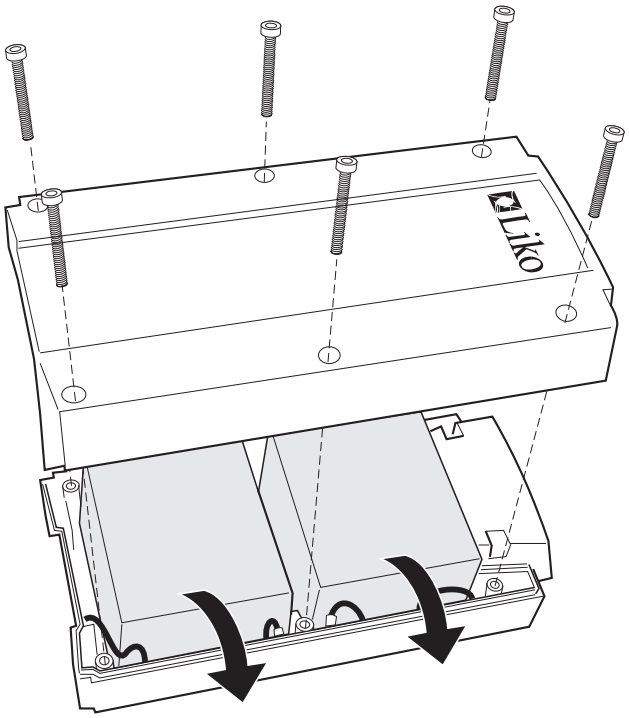
Liko

Battery 2,9Ah/12V
Batteri 2,9Ah/12V

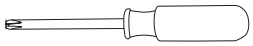
Assembly Instruction
Monteringsanvisning

Prod.no: 20090025

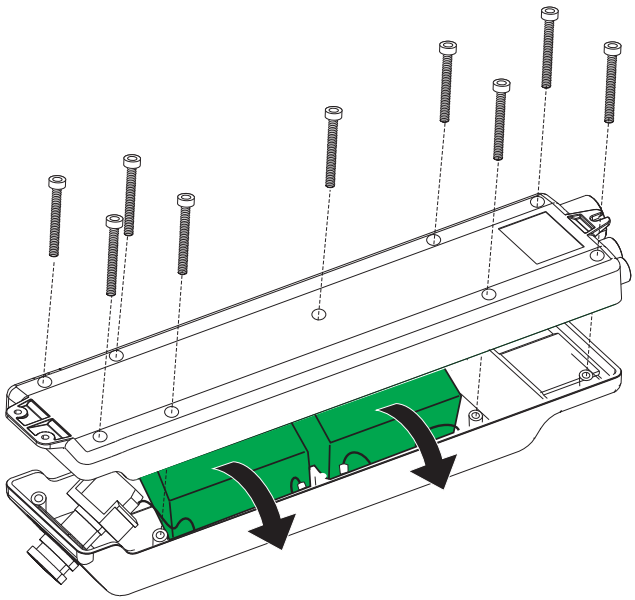
Doc. no: 3SE380201-01
2005-09-02



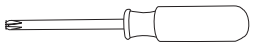
Tools required:



T20



Tools required:



T20

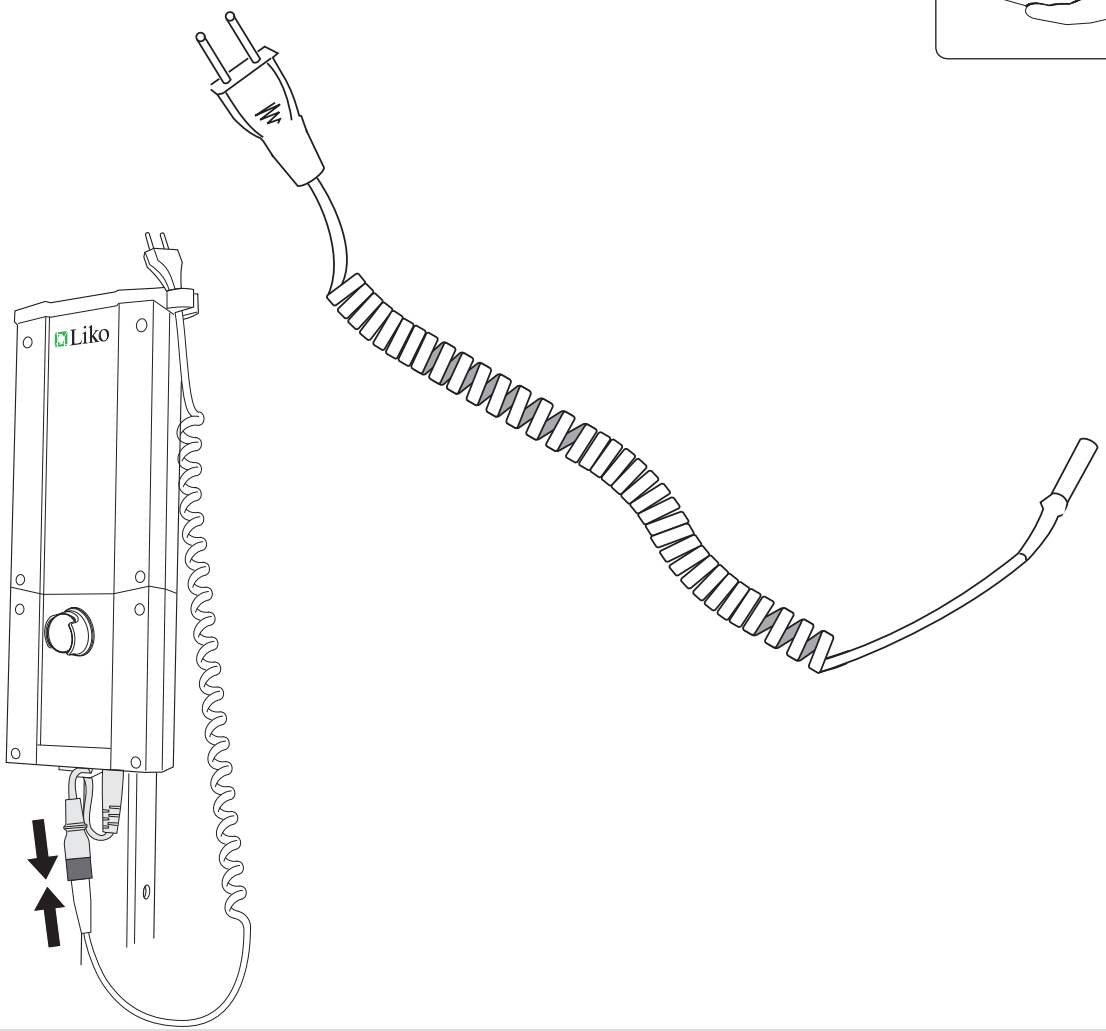
Old batteries are to be left to personnel authoriserad by Liko, or at the nearest station for environmental recycling.

Cable for Charging, EU
Laddningskabel EU

Prod.no: 20090026

Doc. no: 3SE630237-01
2006-03-01

Tools required:



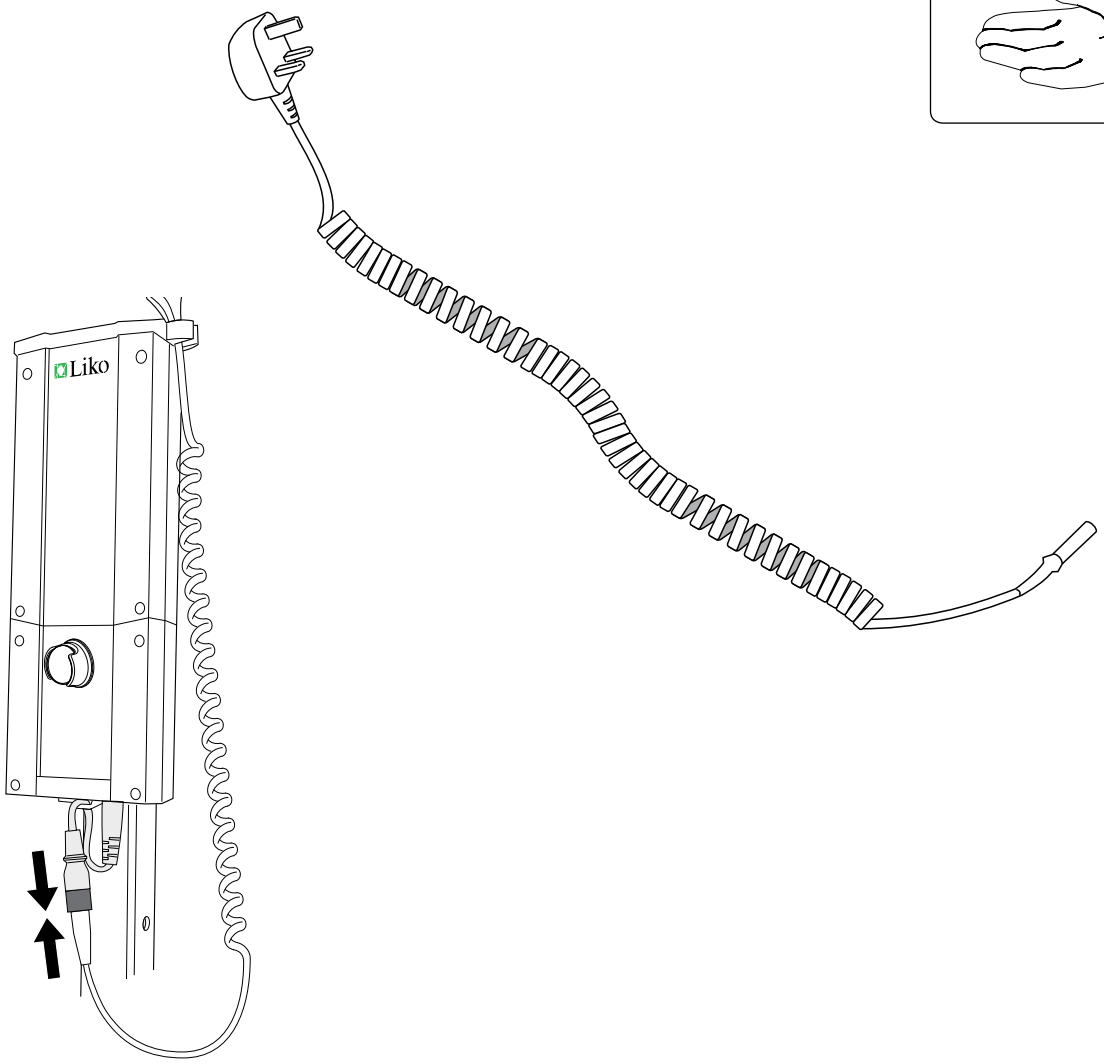
Details	Detail no.	Unit.
Cable for charging EU	9500000EU	1

Cable for Charging, UK
Laddningskabel UK

Prod.no: 20090027

Doc. no: 3SE630241-01
2006-03-21

Tools required:



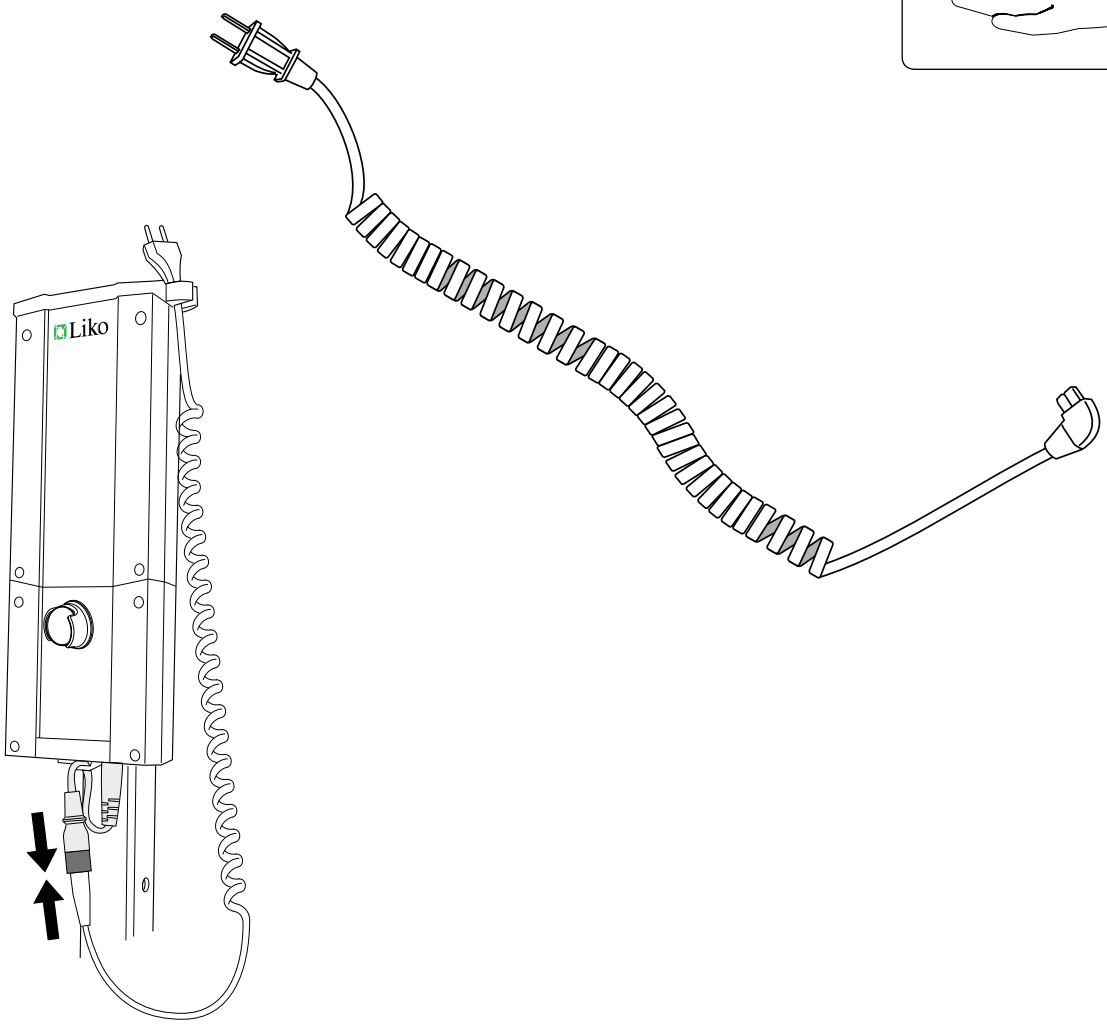
Details	Detail no.	Unit.
Cable for charging UK	9500000UK	1

Cable for Charging, US
Laddningskabel US

Prod.no: 20090028

Doc. no: 3SE630242-01
2006-03-02

Tools required:

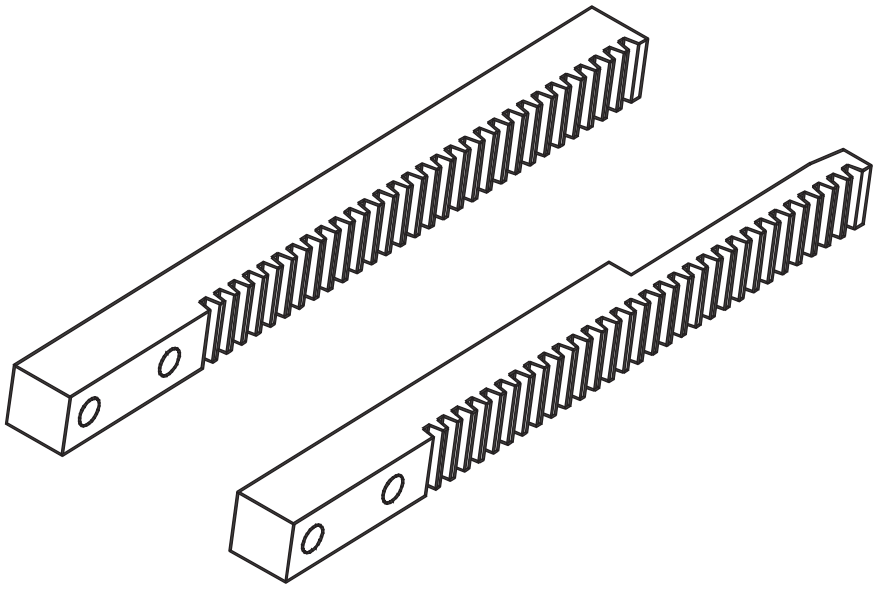


Details	Detail no.	Unit.
Cable for charging US	9500000US	1

Gear Rack set G7-77

Prod.no: 20090038
2003-09-09

From S/N..... Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
90181701-1	Gear rack	1
90181701-2	Gear rack Golvo	1
930000091	Locking Nut M8 Nyloc	4
930000093	Screw MC6S M8x22 low	4

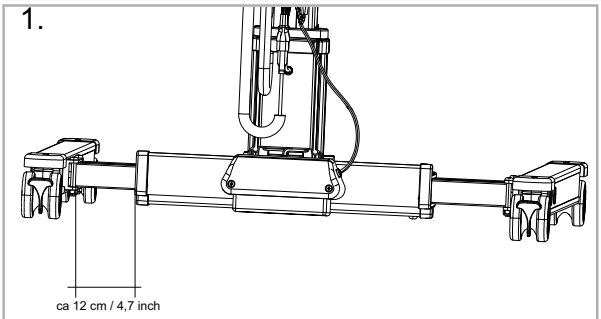
Gear Rack set G7/G77
Kuggstångssats

Assembly Instruction
Monteringsanvisning

Prod.no: 20090038

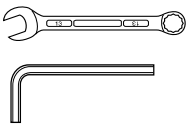
Doc. no: 3SE630213-02
2006-03-01

1.



Adjust the legs

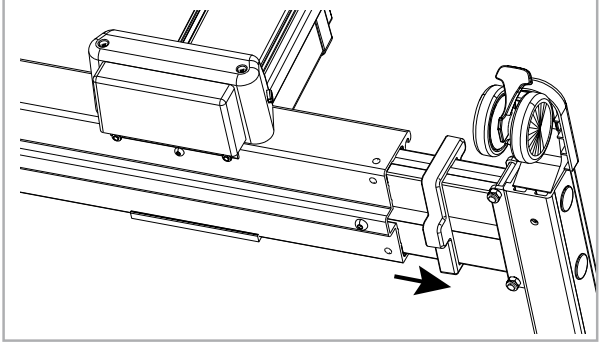
Tools required:



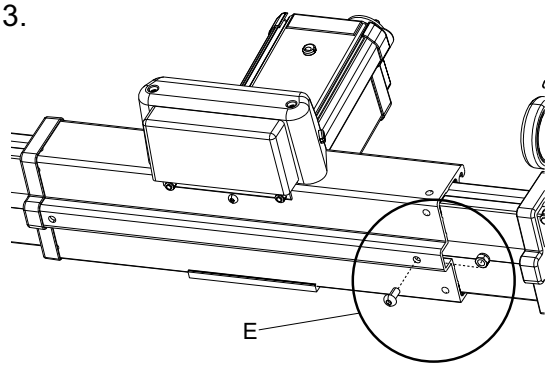
13 mm

5 mm

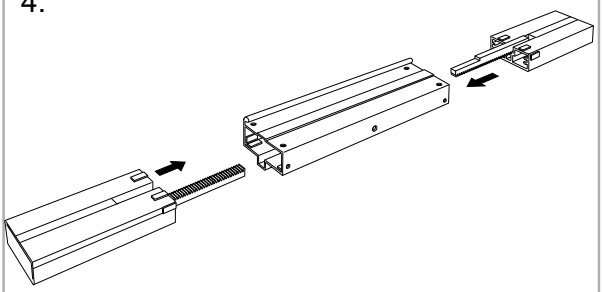
2.



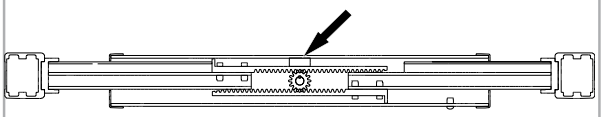
3.



4.

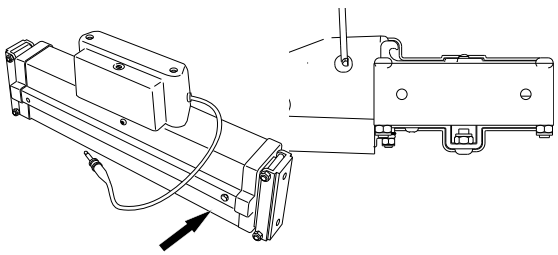


5.



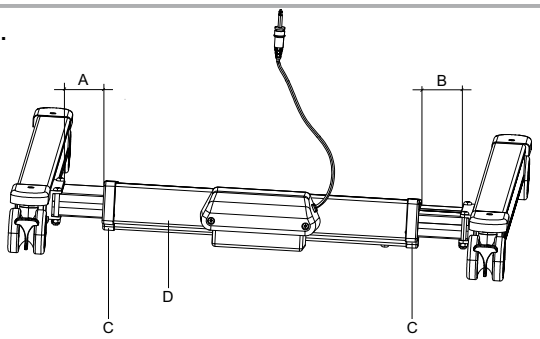
Make sure that the slipper is in its place

6.



Verify the stop screw is tight and the nut is in the correct orientation. The flat of the hex must be positioned parallel with the end of the gear rack.

7.

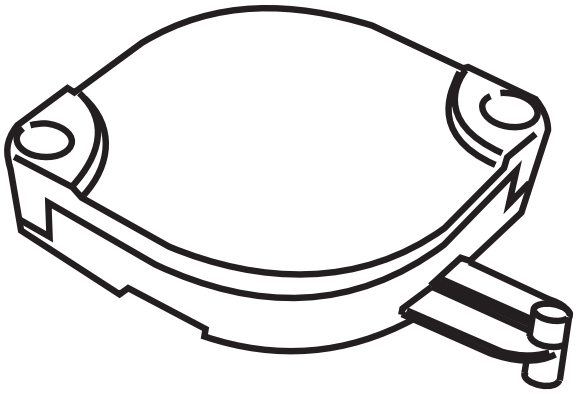


After assembling, distance A & B must be the same.
Note 1! The cover profiles (C) must be fixed to the middle beam (D). (Picture 6)
Note 2! Screw and nut (E) must be assembled. (picture 3)

Spring Magazine

Prod.no: 20090041
2003-09-09

From S/N..... Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
900000106	Spring Holder KPL	1

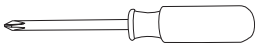
Spring Magazine
Fjäderkassett

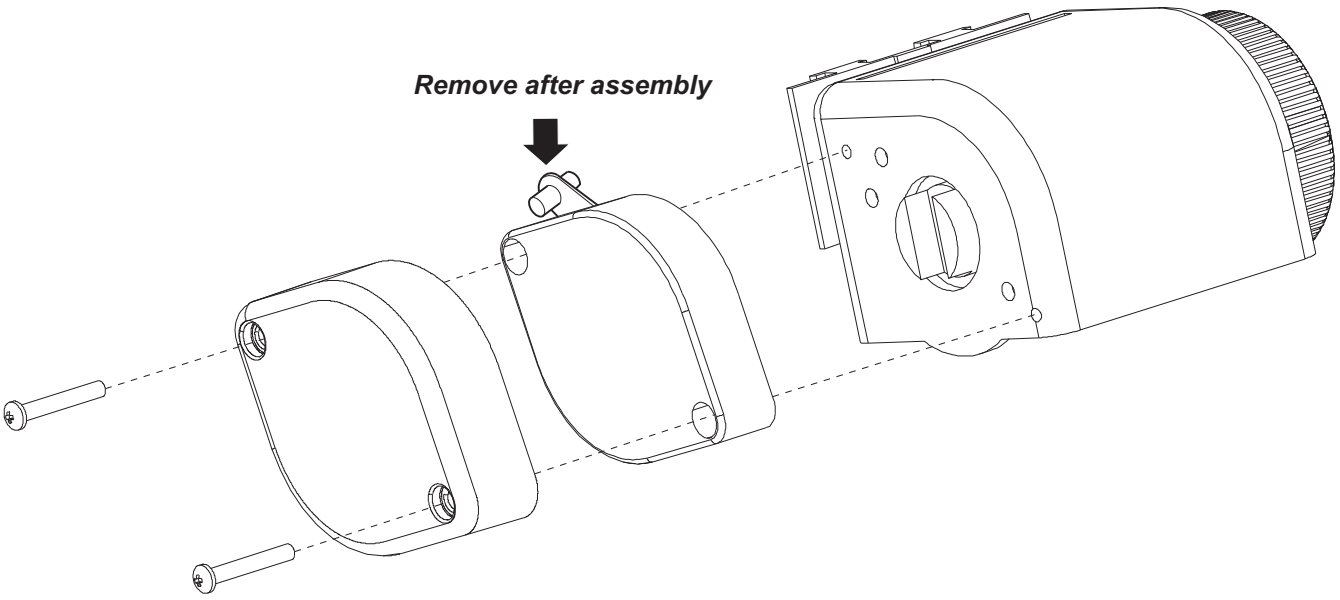
Assembly Instruction
Monteringsanvisning

Prod.no: 20090041

Doc. no: 3SE630214-01
2005-10-18

Tools required:

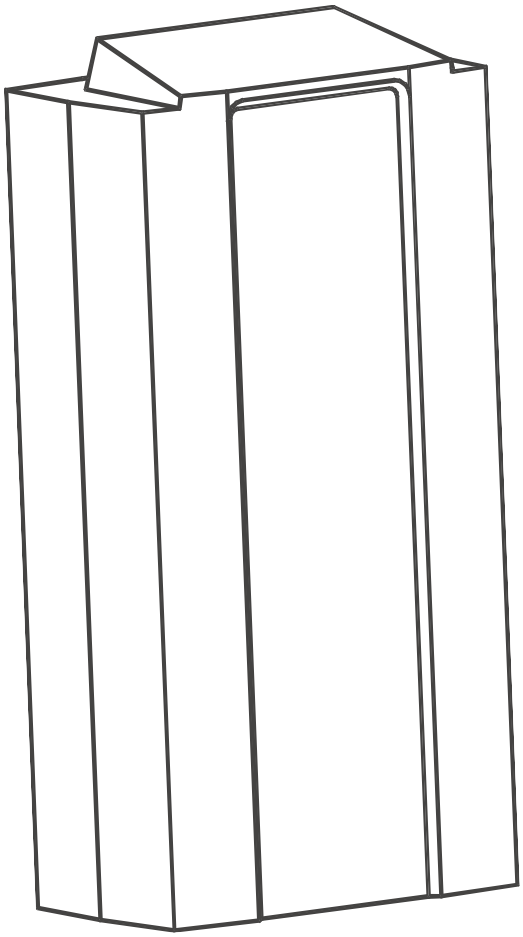




Extra Battery box, incl. Batteries

Prod.no: 2006106
2003-09-09

From S/N..... Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
950000044	Battery box	1

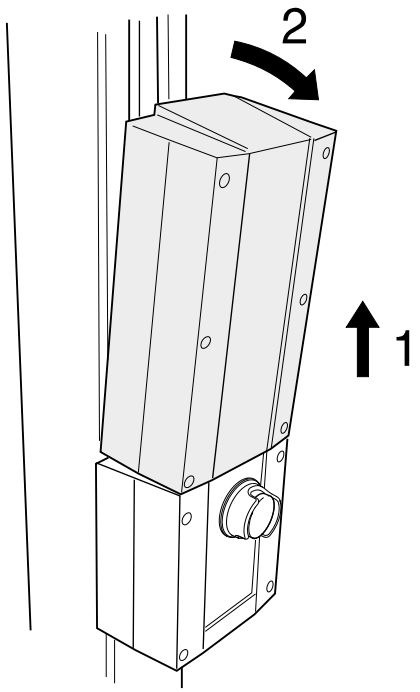
Extra Battery Box, incl batteries
Batteribox inkl battterier

Assembly Instruction
Monteringsanvisning

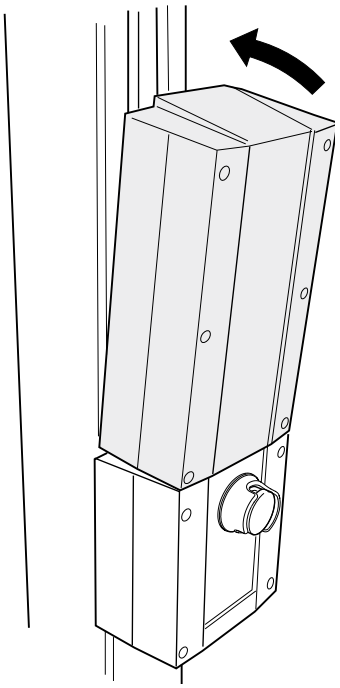
Prod.no: 2006106

Doc. no: 3SE630224-01
2005-12-05

1.



2.



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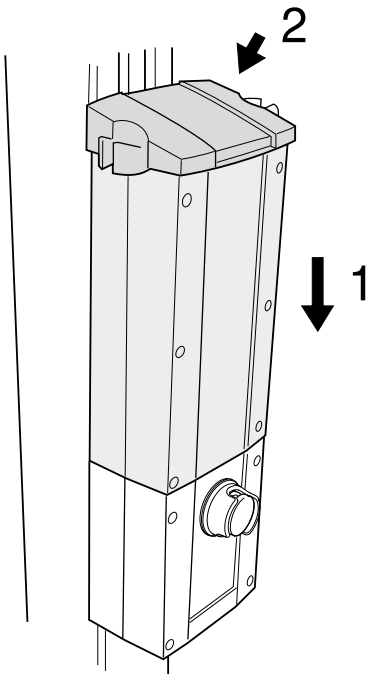
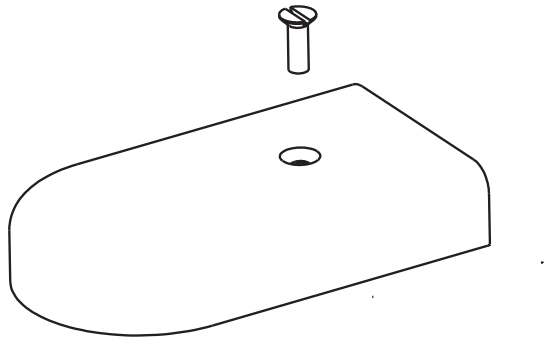


Old batteries are to be left to personal authorised by Liko, or at the nearest station for environmental recycling.

Front Fork Cover LL, Vi, Golvo

Prod.no: 20390006
2003-10-02

From S/N..... Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
900000419	Front fork cover	2
930000424	Screw M5x16N	2

Liko

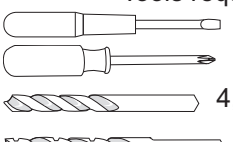
Front Fork Cover LL,Vi, Golvo
Framhjulskåpa LL,Vi, Golvo

Assembly Instruction
Monteringsanvisning

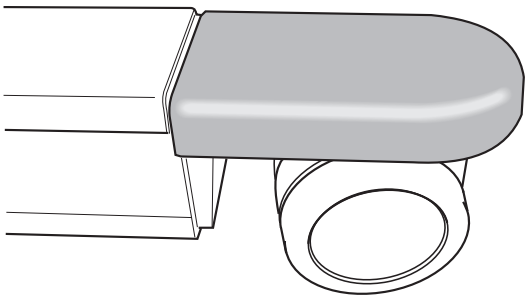
Prod no: 20390006

3SE380202-02
2007-03-15

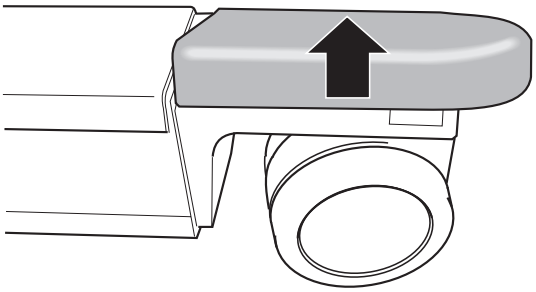
Tools required:



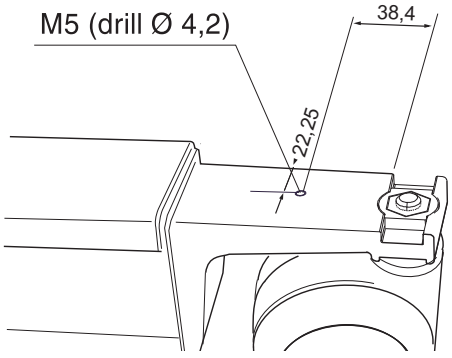
1.



2.



3. If not prepared with hole, drill [mm.]



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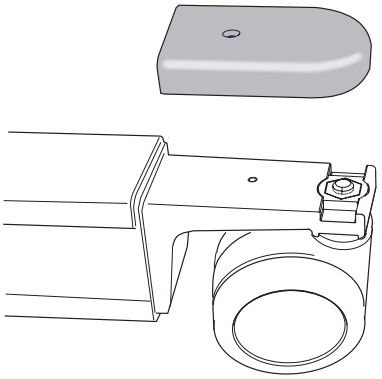

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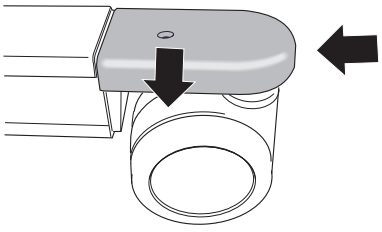

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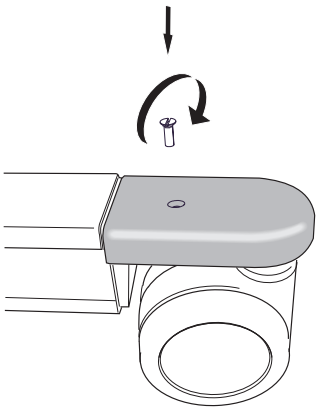


Extension Cable

Prod.no: 21090001
2003-09-09

From S/N..... Version.....V2.....

Length 24 cm, 9,5 inche

Details included in sparepart:

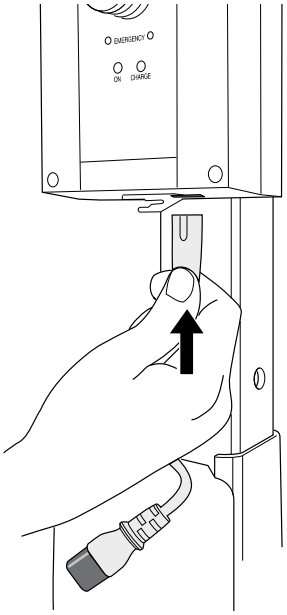
Detail no.	Details:	Unit:
950000058	Extension cable EU	1

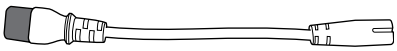
Assembly Instruction
Monteringsanvisning

Prod.no: 21090001

Doc. no: 3SE630225-01
2005-12-22

1.





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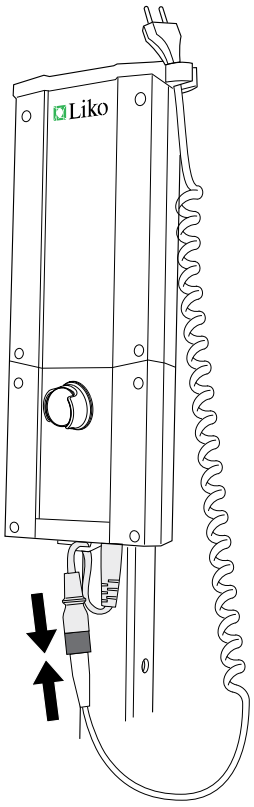

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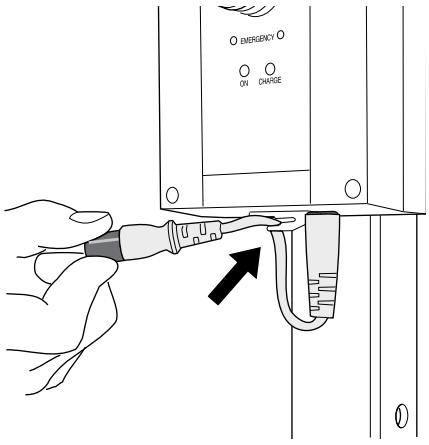
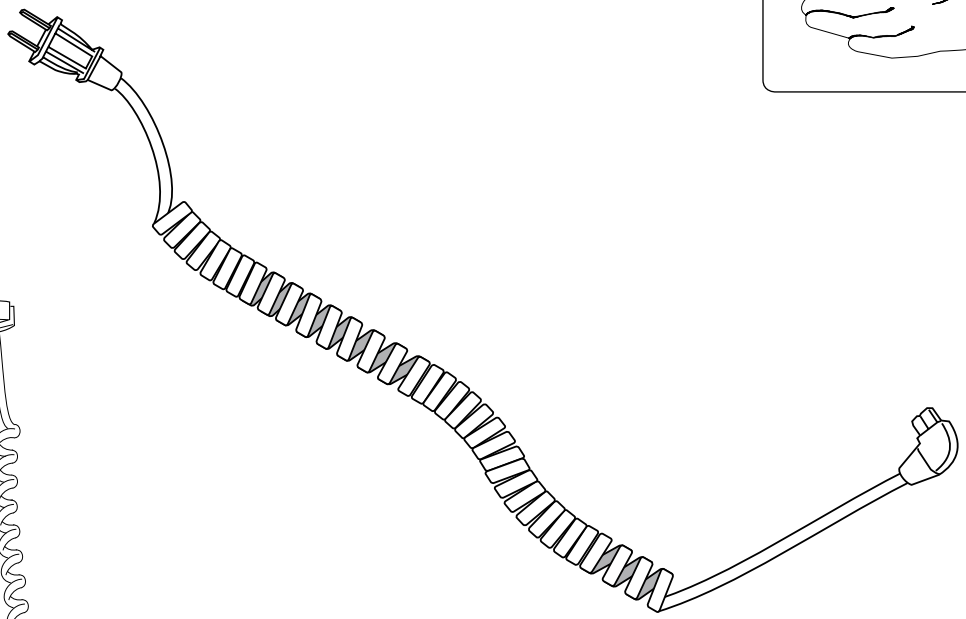


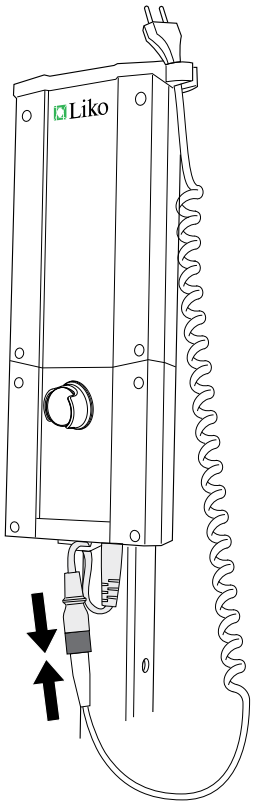
Cable for Charging, AU/NZ
Laddningskabel AU/NZ

Prod.no: 20090050

Doc. no: 3SE630243-01
2006-03-21

Tools required



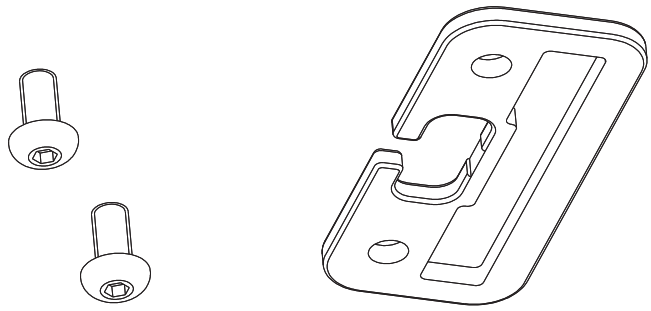


Details	Detail no.	Unit.
Cable for charging, AU/NZ	9500000AU	1

Reinforcement Plate G7-77

Prod.no: 20090051
2003-09-09

From S/N. >7022914/7725944 Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
930000316	Screw K6S M5x10	2
901211152	Reinforcment Plate	1

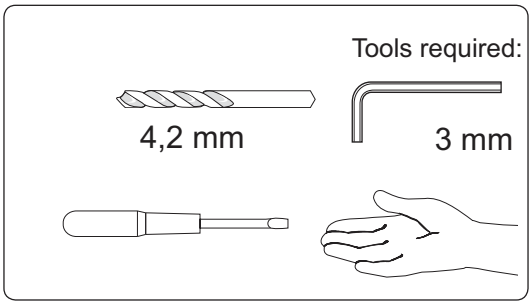
Reinforcement Plate G7/G77
Bandstyrningsplåt G7/G77

Assembly Instruction
Monteringsanvisning

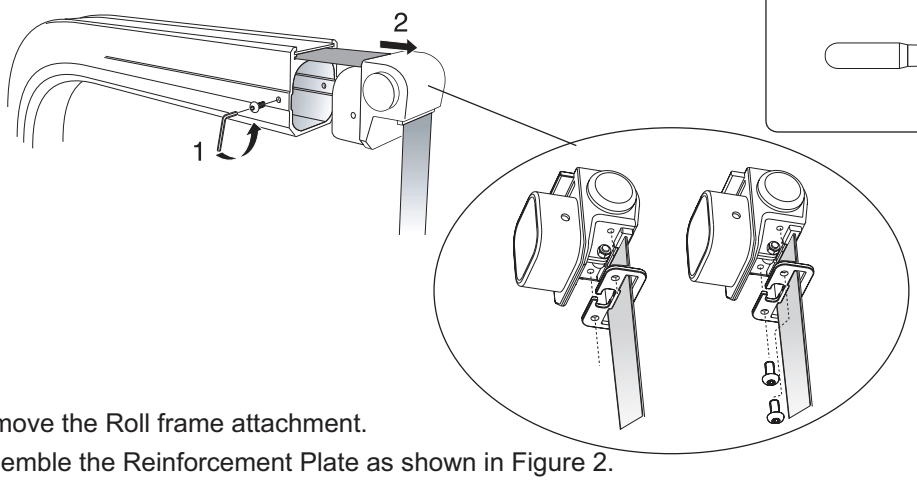
Prod.no: 20090051

Doc. no: 3SE630215-01
2005-10-18

Tools required:



1.

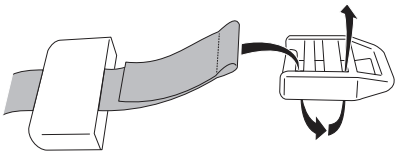


Remove the Roll frame attachment.
Assemble the Reinforcement Plate as shown in Figure 2.
Drill two holes Ø 4.5 mm in the housing using the holes in the Reinforcement Plate as guides.
Secure the Reinforcement Plate with the two screws.

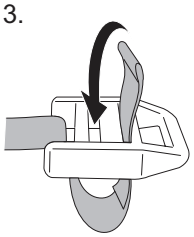
Demontera rulländsfäste.
Montera bandstyrnings plåten enligt bild 2.
Borra två hål Ø 4.5 mm i rulländsfäste använd bandstyrnings plåten som mall.
Montera bandstyrnings plåten med skruvarna som medföljer.

Assemble strap joint/ Montera bandblecket

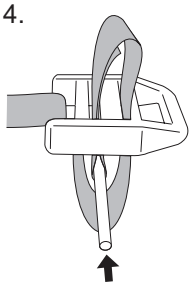
2.



3.



4.



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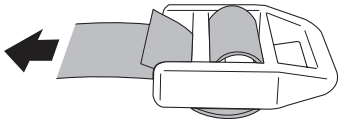
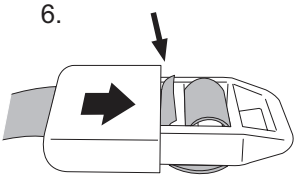


6.



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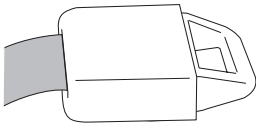
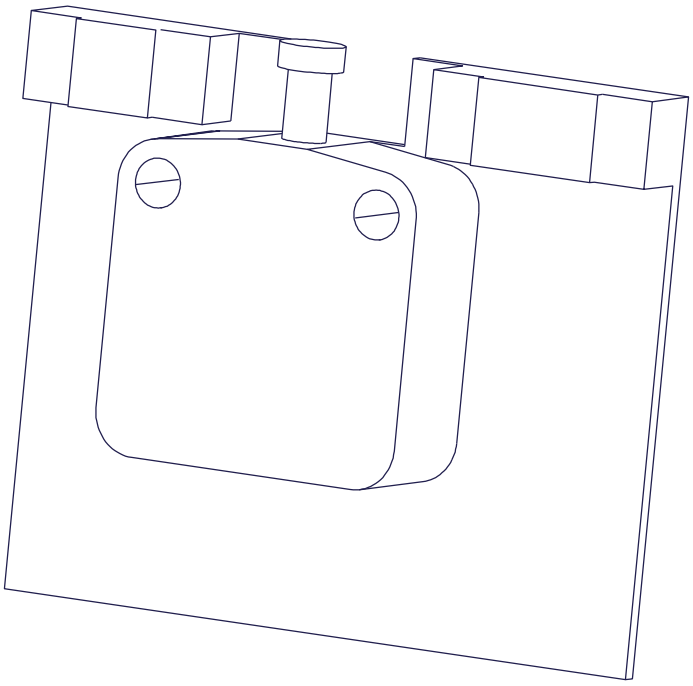


Limit switch G7-77

Prod.no: 20090052
2003-02-05

From S/N..... Version.....



Details included in sparepart:

Detail no.	Details:	Unit:

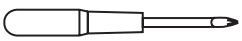
Limit switch G7/G77
Ändlägesbrytare G7/G77

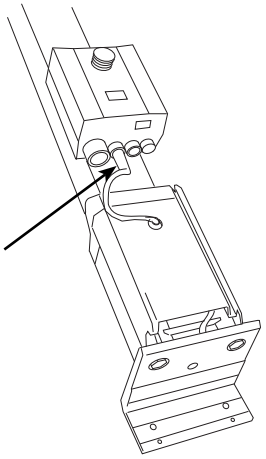
Assembly Instruction
Monteringsanvisning

Prod no: 20090052

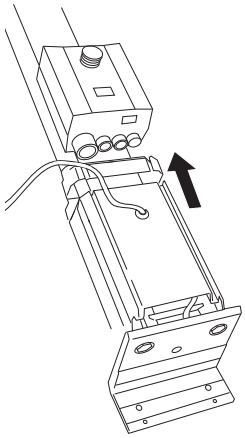
3SE640240-02
2007-02-13

Tools required:

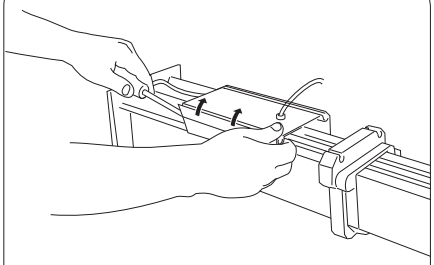




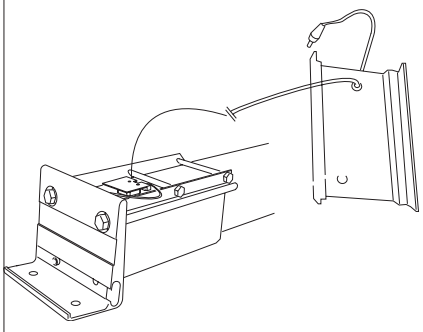
1. Remove cable from controlbox.



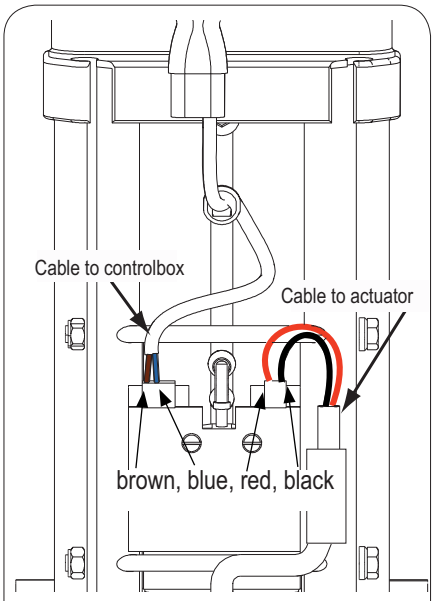
2. Push the plastic cover upwards.



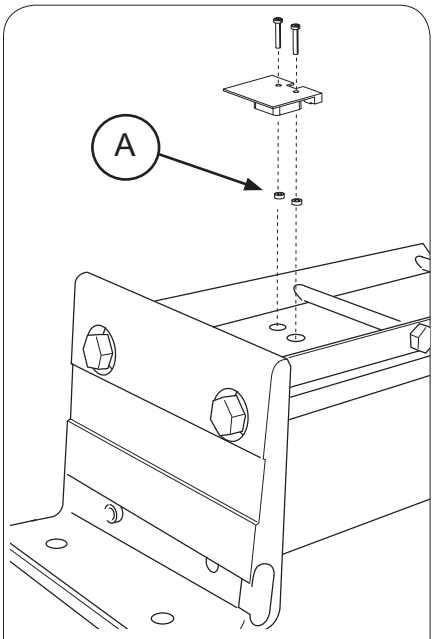
3. Remove the cover from the mast.



4. Remove the cables from the electronic card.



5. Loosen the electronic card by removing the screws, see picture 6, pull out the card. Loosen the screws holding the cables.



6. Assemble the new card. Make sure that the spacers (A) is between the mast and the card. Connect the cables.
Make sure that the new card works by operating the actuator down at the same time as you press the Limit switch on the electronic card.

△ Note: Some of the poles (+/ -) can be changed in older versions. The colors of the cable can be different than the picture shows. Always test the functionality after assembly.

Extension Cable US

Prod.no: 21090011

From S/N..... Version.....V2.....

Length 24 cm, 9,5 inche

Details included in sparepart:

Detail no.	Details:	Unit:
21090011	Extension cable EU	1

5.263.1

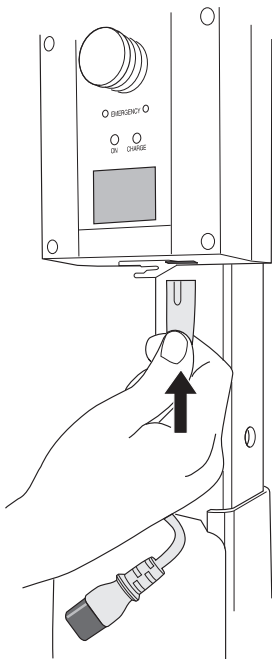
Extension Cable, US
Skarvkabel, US

Assembly Instruction
Monteringsanvisning

Prod.no: 21090011

Doc. no:3SE630218-01
2005-10-25

1.



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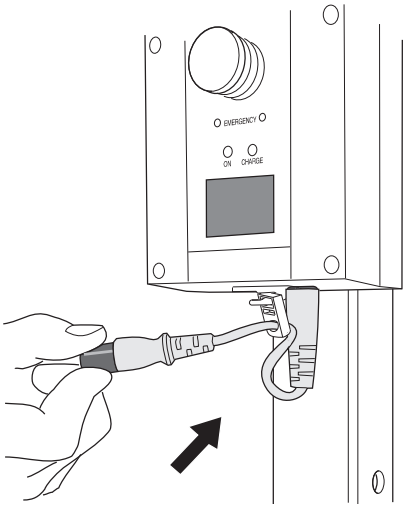

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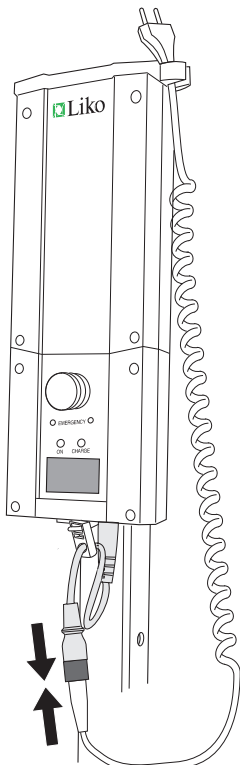
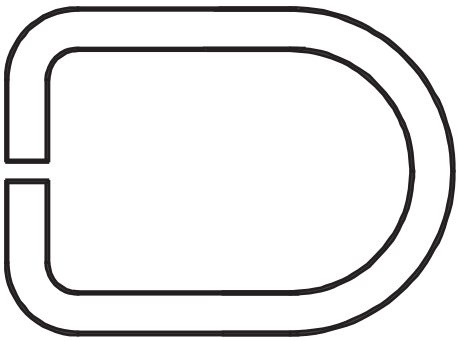


Safety latch universal slingbar

Prod.no: 31590011
2005-06-20

From S/N..... Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
901335192	Safety latch 2	1

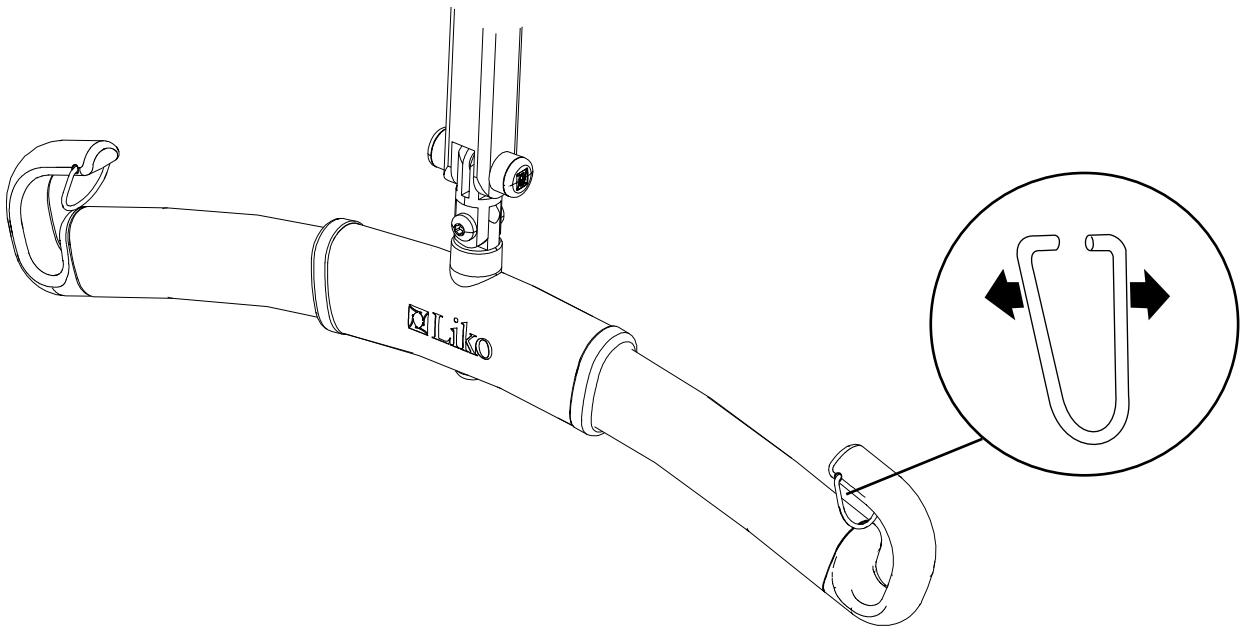
Safety Latch Universal Slingbar
Urkrokningsskydd Universalbygel

Assembly Instruction
Monteringsanvisning

Prod.no: 31590011

Doc. no: 3SE630229-01
2005-12-08

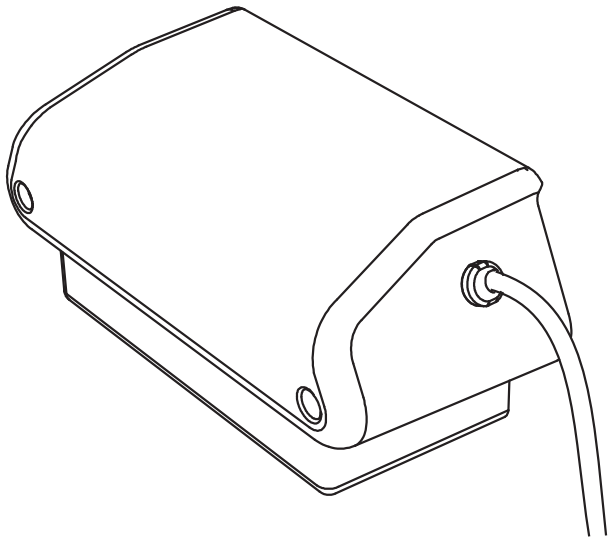
Tools required



Motor Base width adjustment G7/G77, grey

Prod.no: 20090059

From S/N..7024206/7729722.. Version...V1.....



Details included in sparepart:

Details	Detail no.	Unit
Plastic Bushing	900000088	1
Base motor hood G7-77, grey	900001821	1
Shaft 12x181 G7-77	901111332	1
BRB 5,3x10x1	930000164	2
Screw MRX M5x90	930000240	2
Motor cable u-carriage G7-77	950000054	1
Bearing u-carriage.2 G7-77	901111342	1
Gear wheel 60M1 mod.2 G7-77	901113541	1
Gear wheel 20M1 mod.2 G7-77	901113543	1
Motor attachment 3 G7-77	901811972	1
Middle axle 10x46,7 G7-77	901971198	1
Stepped spur gear 20/44M1 G7-77	901981199	1
Flanged slide bearing 12x15x5	920000075	2
Flanged slide bearing 10x12x6	920000082	2
Nylon bearing 15x18x5	921921150	1

Details	Detail no.	Unit
Seger-lock device SGA 12	930000074	2
WK 3x13	930000076	2
Woodruff key 6x28x2	930000085	1
Washer PVC 10x16x2	930000086	1
Screw MC6S M6x12	930000188	2
Screw MC6S TT M5x12	930000234	3
Flat key 3x3x25 SMS2306	930000243	1
Seeger-lock device SGA 10	930000250	2
Distance washer PS12x18x0,5	930000341	1
Motor ITT S404156 G7-77	940000004	1
Gear Wheel brass 14 M2	961111352	1
Locknut M6	930000117	2
Spring 12x6,2x0,5	930000405	4

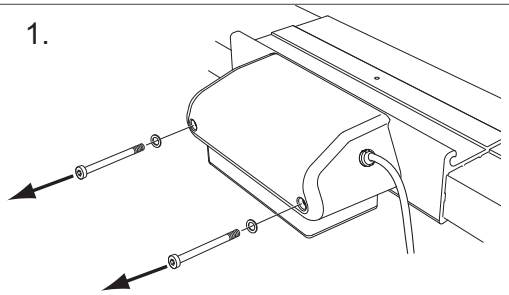
Motor for Base width adjustment G7/G77, grey
Motorpaket komplett G7/G77, grå

Assembly Instruction
Monteringsanvisning

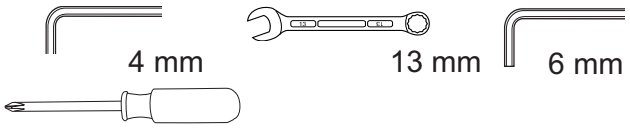
Prod.no: 20090059

Doc. no:3SE630216-01
2005-10-18

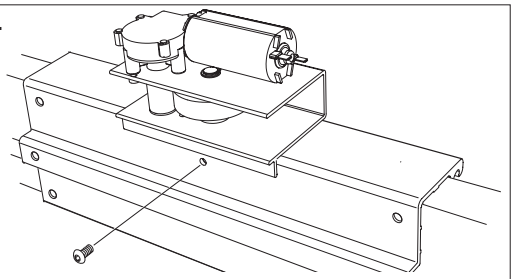
1.



Tools required:



2.



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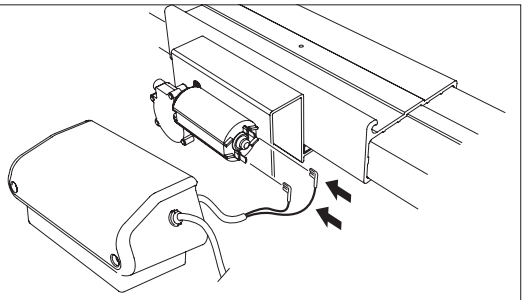

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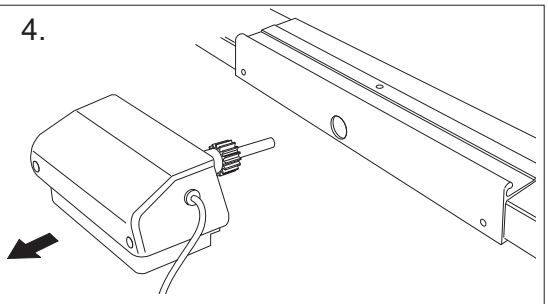

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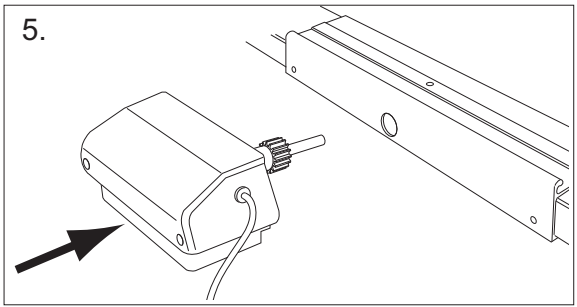

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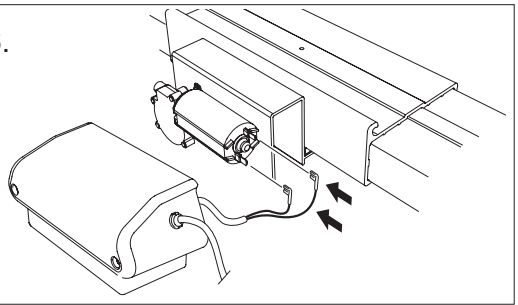

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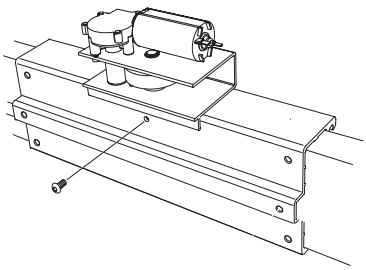

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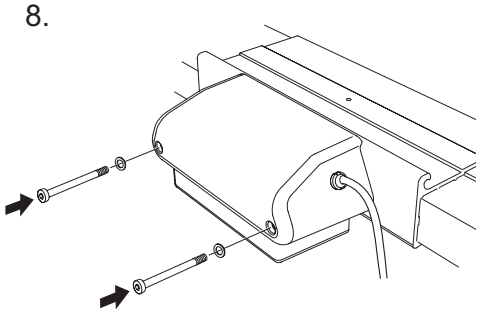

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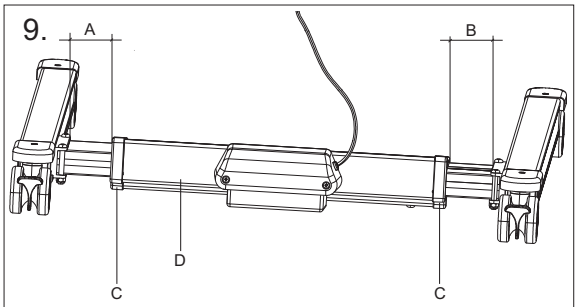
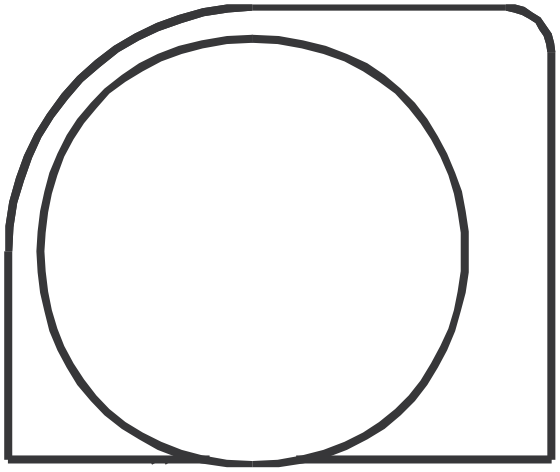


After assembling the distance A & B must be the same. Note! The cover profiles (C) must be fixed to the middle beam (D).

Plastic Housing

Prod.no: 20090060
2005-09-30

From S/N..7024206/7729722 Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
900000106	Spring Holder KPL	1
900000570	Pin 3x48	1
900000570	Locking pin 3x48	1
900001851	Plastic housing knob rai	1
901411031	Cover spring magazine	1
901901202	Strap shaft	1
930000082	Screw K6S M5x12	1
930000230	Nut M6M M5	1
930000490	Screw TP WN1412 3x20	2

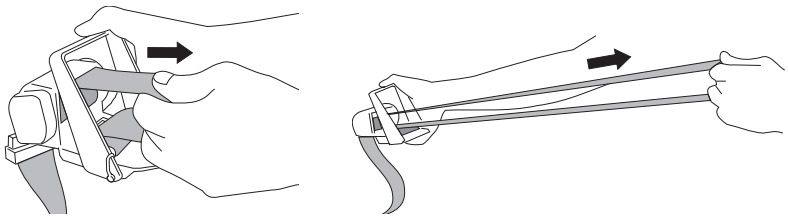
Liko

Plast. housing G7-77 grey
Bandmagasin G7-77 grå

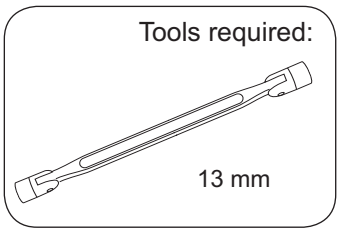
Assembly Instruction
Monteringsanvisning

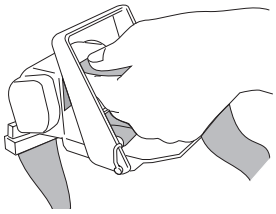
Prod no: 20090060

3SE630267-01
2007-02-09

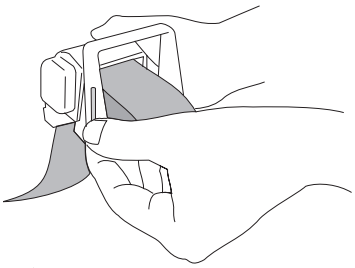


1. Pull the strap all the way out.

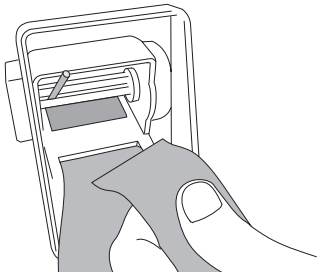




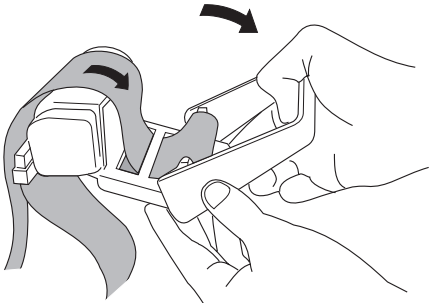
2. Hold the springloaded wheel and release the strap by removing the pin.



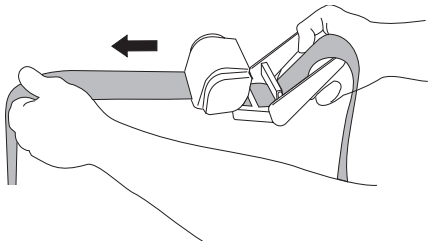
3. △ Do not let go of the spring-loaded wheel, since the tension will release.



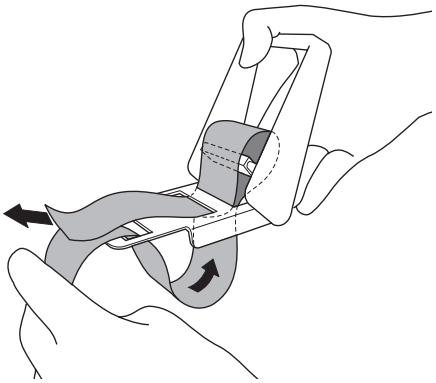
4. Use the pin to lock the axle where the strap was mounted.



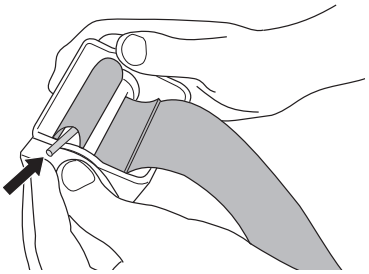
5. Push the emergency lowering handle down and pull the strap away.



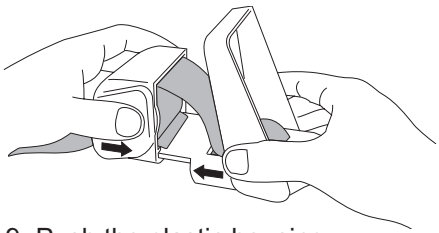
6. Pull the rest of the strap out and remove the plastic housing.



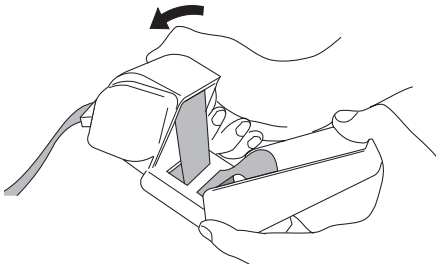
7. Mount the new strap through the plastic housing with the red mark towards the plastic housing and then as shown above.



8. Remove the pin. △Do not let go of the springloaded wheel, since the tension will release. Mount the strap through the slot in the axle and the same way back. **Note!** The axle has two different sides. Place the pin as shown to lock the strap.



9. Push the plastic housing on to the strap joint.

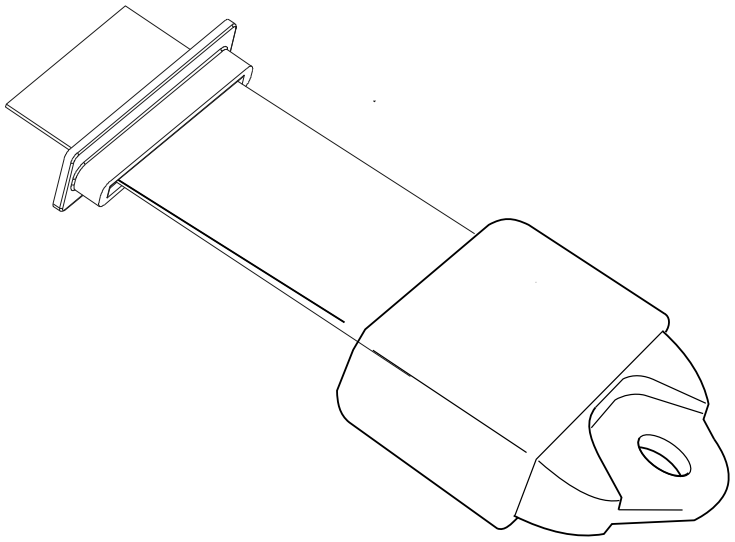


10. Roll the strap up until the red mark reaches the plastic housing.

Lift Strap G7, grey

Prod.no: 20090062
2005-09-30

From S/N....7024206/7729722 Version.....



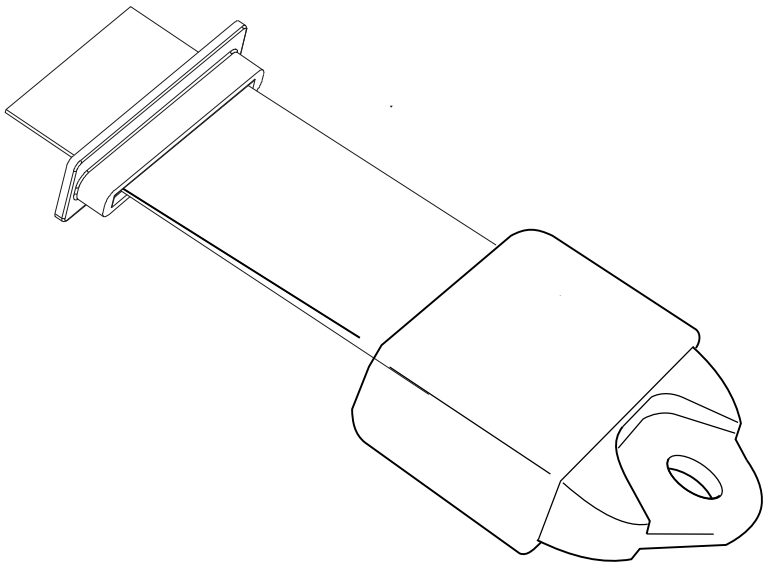
Details included in sparepart:

Detail no.	Details:	Unit:
900000512	Locking pin 4x48	1
900001849	Strap joint plastic cover	1
901119091	Liftstrap Golvo 7000 ES grey	1

Lift Strap G77, grey

Prod.no: 20090063
2005-09-30

From S/N..7024206/7729722 Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
900000512	Locking pin 4x48	1
900001849	Strap joint plastic cover	1
901119092	Liftstrap Golvo 7007 ES grey	1

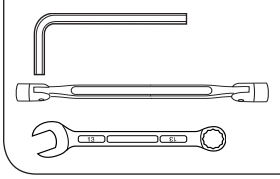
Lift Strap G7/G77, grey
Lyftband G7/G77, grå

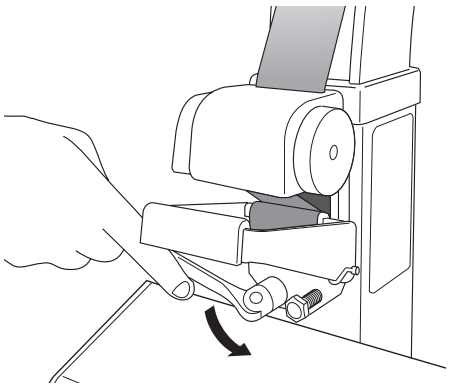
Assembly Instruction
Monteringsanvisning

Prod.no: 20090062

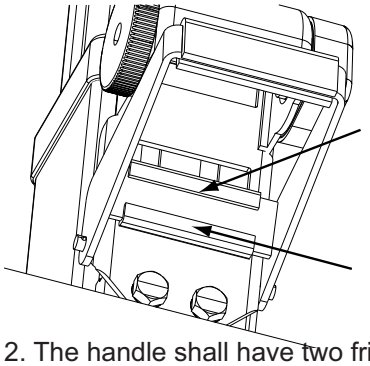
3SE630217-03
2007-06-20
Proj 484

Tools required:

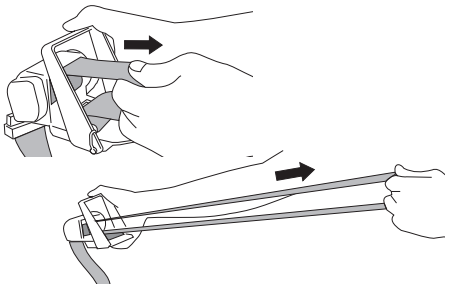




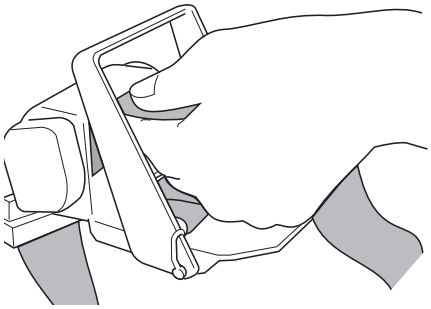
1.



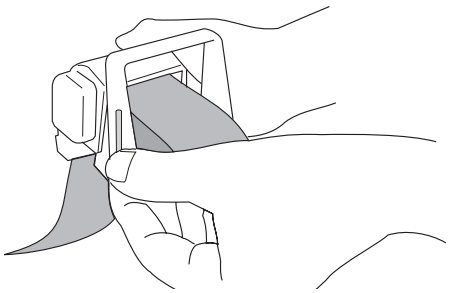
2. The handle shall have two friction profiles. Assemble the enclosed friction profile if one is missing.



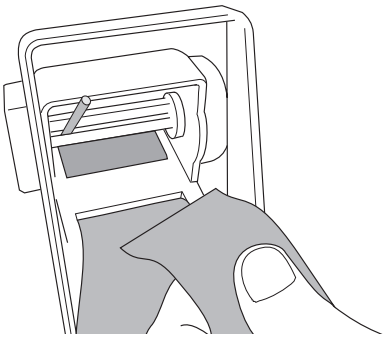
3. Pull the strap all the way out .



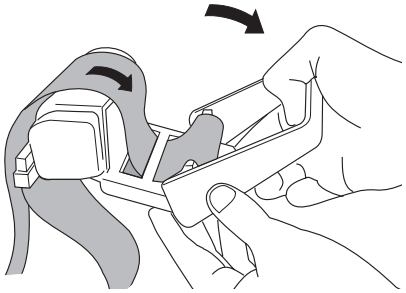
4. Hold the springloaded wheel and release the strap by removing the pin.



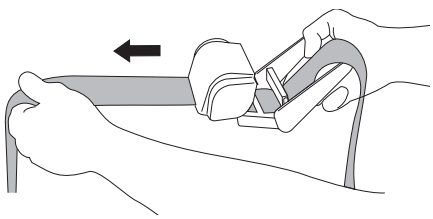
5. Remove the pin.
△ Do not let go of the springloaded wheel, or the tension will release.



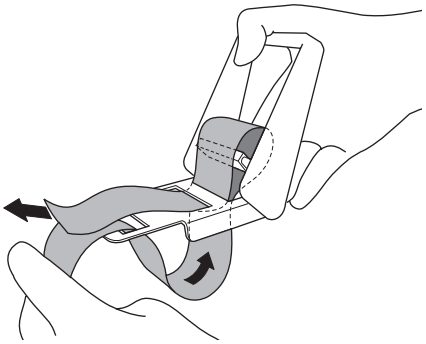
6. Use the pin to lock the axle where the strap was mounted.



7. Push the emergency lowering handle down and pull away the strap.



8. Pull out the rest of the strap and remove the plastic housing.

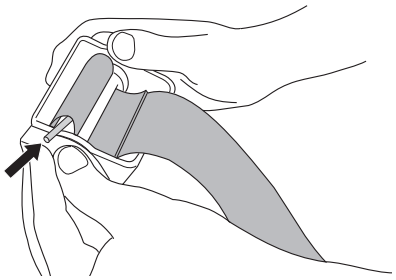


9. Mount the new strap through the plastic housing with the red mark towards the plastic housing and then as shown above.

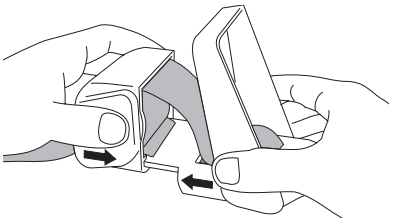
Assembly Instruction
Monteringsanvisning

Prod.no: 20090062

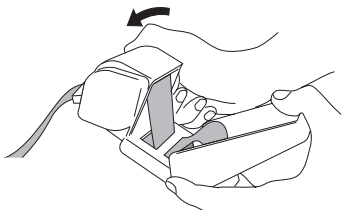
3SE630217-03
2007-06-20
Proj 484



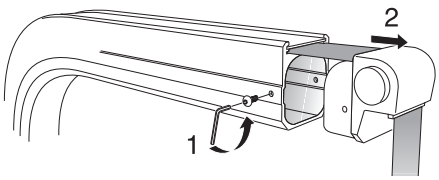
10. Mount the strap through the slot in the axle and back the same way. Note! The axle have two different sides. Place the pin as shown to lock the strap.
△Do not let go of the springloaded wheel, or the tension will release.



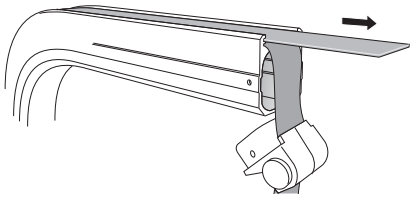
11. Push the plastic housing on to the strap joint..



12. Roll up the strap until the red mark reaches the plastic housing.



13.



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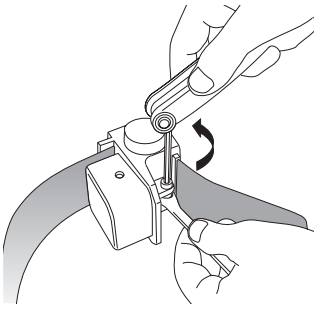

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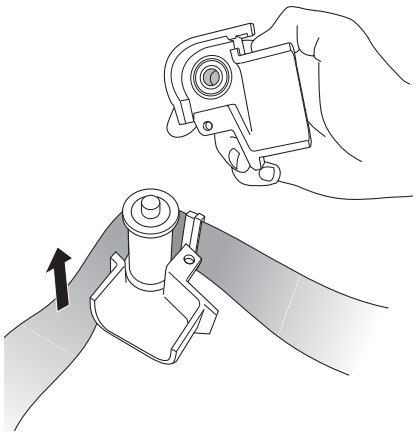
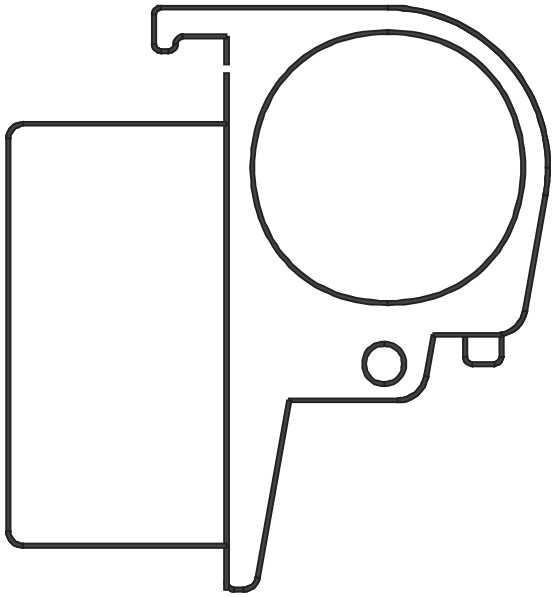


16.

Roll Frame Attachment G7/G77 G

Prod.no: 20090064
2005-10-03

From S/N..... Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
900000100	Shaft 10x74	1
901486132	Roll D=32 mm	1
920000048	Nylon bearing 10x15x12	2
920000098	Ball coupling 6000-2Z	2
930000063	MC6S M5x12	1
930000104	M5 Nyloc	1
90121116H	Roll frame attachment Right	1
90121116V	Roll frame attachment Left	1

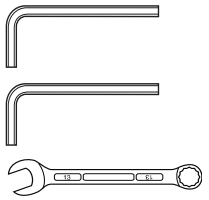
Roll Frame Attachment G7/G77 G
Rulländfäste G7/G77 G

Assembly Instruction
Monteringsanvisning

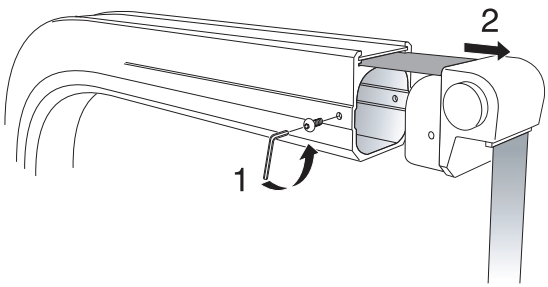
Prod.no: 20090064

Doc. no: TI 20090064
2053-01-31

Tools required:



1.



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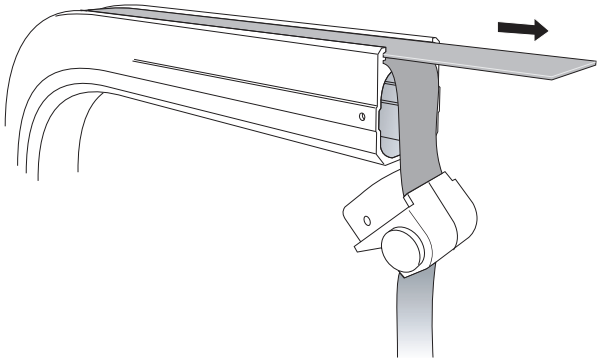

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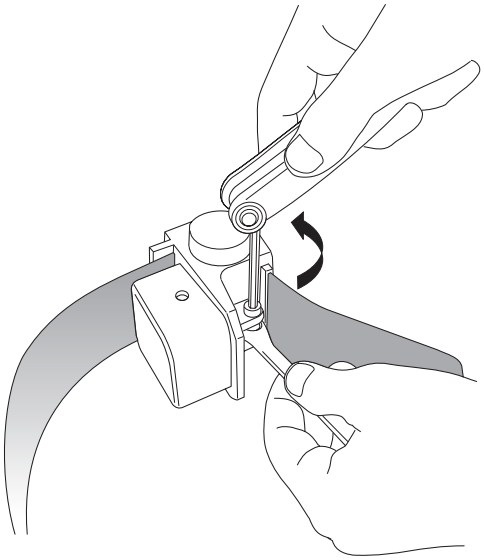

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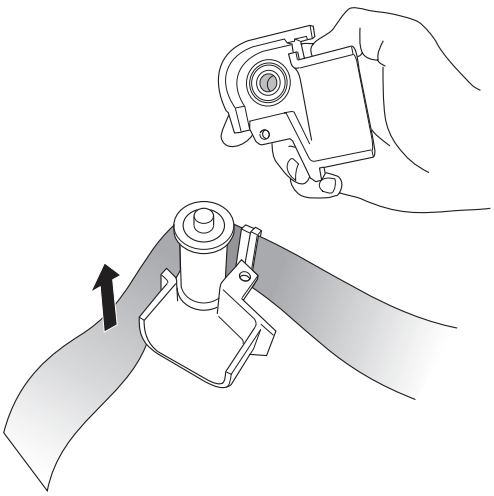
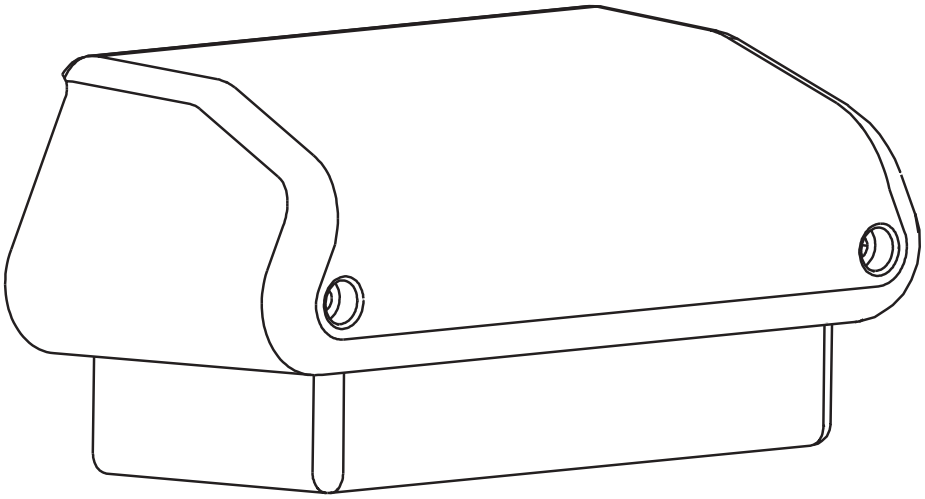


Base Motor Cover, grey

Prod.no: 20090065
2005-10-03

From S/N..7024206/7729722 Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
900001821	Base motor hoodG7-77	1
900000088	Plastic Bushing	1

Base Motor Cover
Motorkåpa

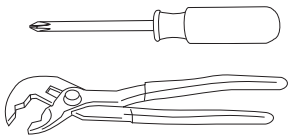
Assembly Instruction
Monteringsanvisning

Prod.no: 20090065

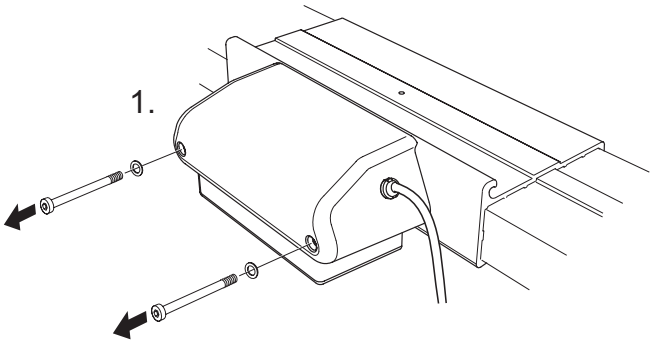
Doc. no:
2005-06-20

⚠ Remove cable from the old cover.
Mount the cabel and the new cover together with new plastic busching.

Tools required:



1.



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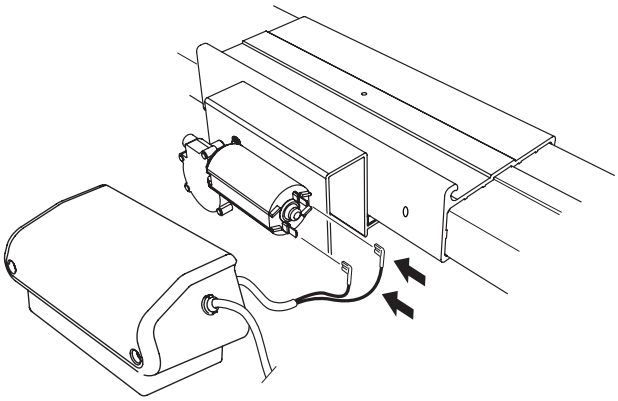

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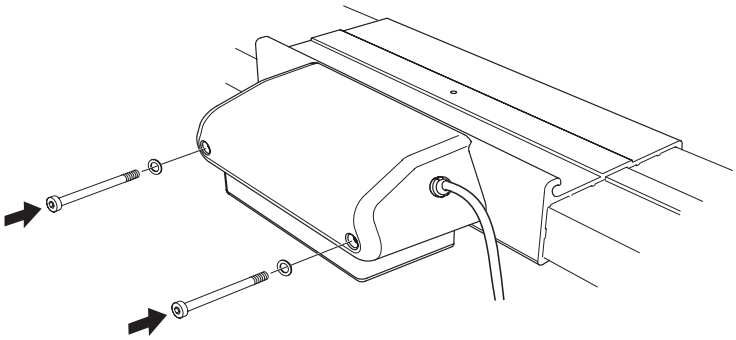
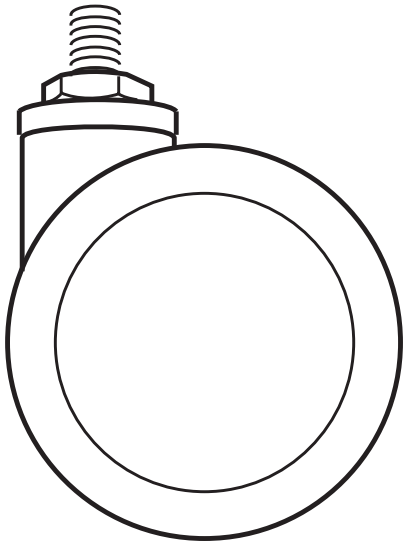


Front Wheel 75 mm Steinco

Prod.no: 20490014
2005-10-03

From S/N...7024206/7729722 Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
911290211	Frontwheel 75mm Steinco	1

5.284.1

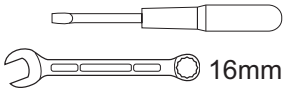
Front Wheel 75 mm
Framhjul 75 mm

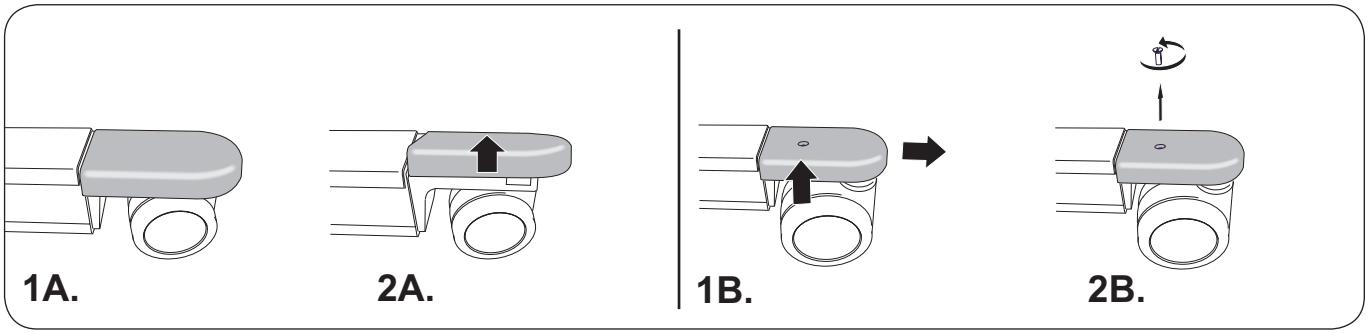
Assembly Instruction
Monteringsanvisning

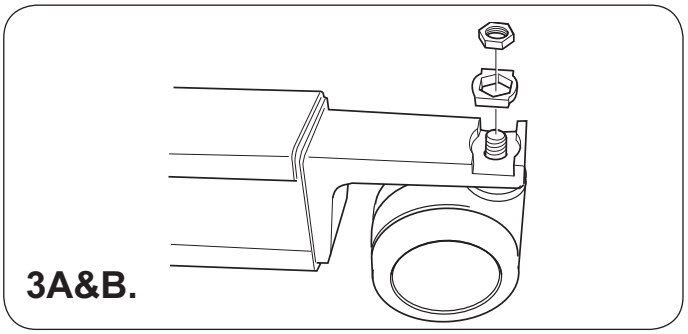
Prod no: 20390001
20490014

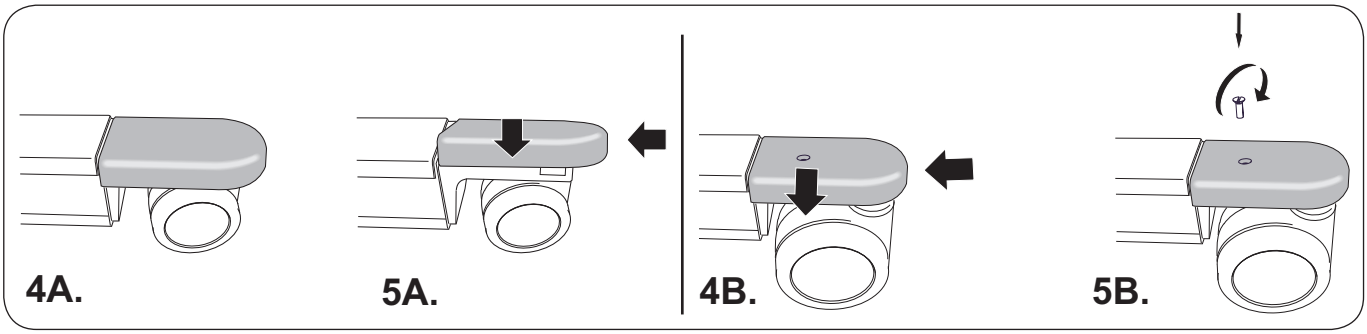
3SE630220-03
2007-05-11

Tools required:





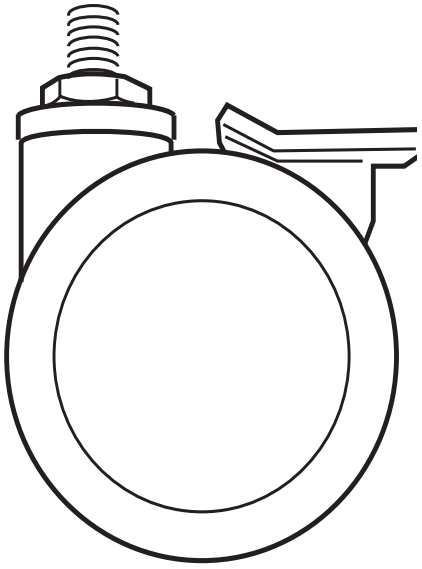




Rear Wheel 75 mm Steinco

Prod.no: 20490015
2006-02-28

From S/N..7024206/7729722 Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
911290212	Rear wheel 75mm	2

5.285.1

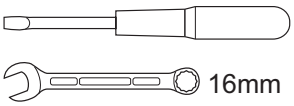
Rear Wheel 75 mm
Bakhjul 75 mm

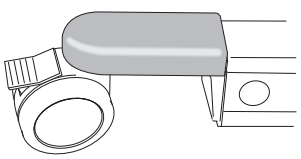
Assembly Instruction
Monteringsanvisning

Prod no: 20390002
20490015

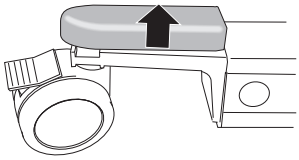
3SE630221-03
2007-05-11

Tools required:

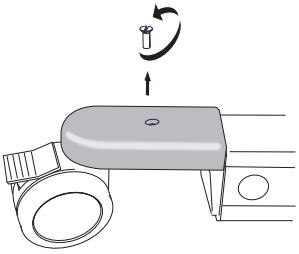




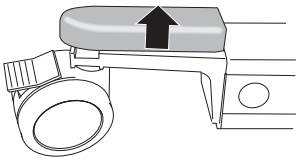
1A.



2A.



1B.



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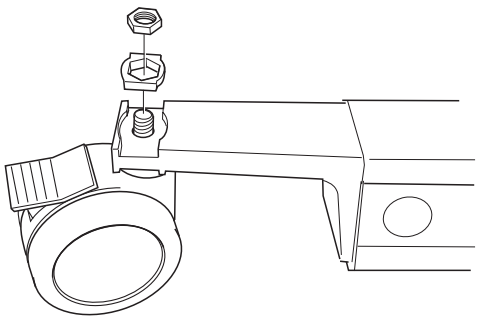
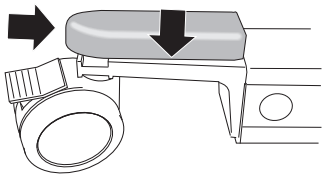
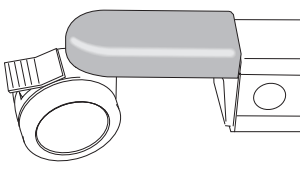


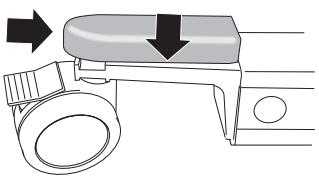
3A&B.



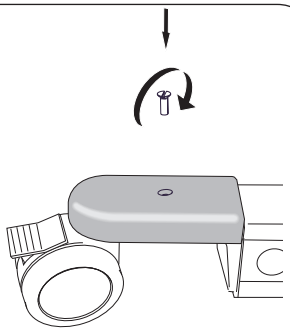
4A.



5A.



4B.

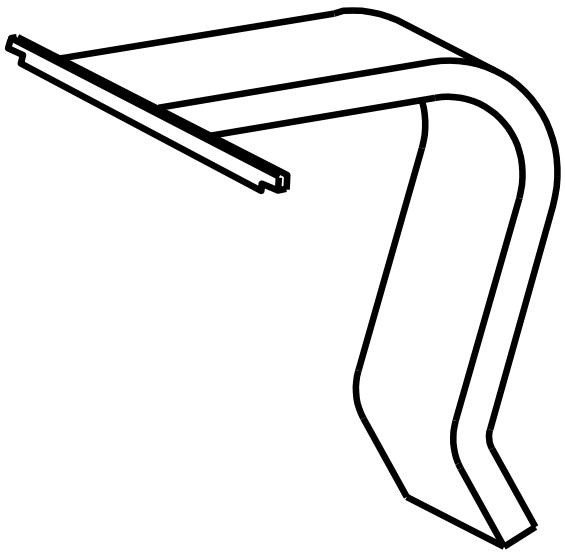


5B.

Hook for handcontrol, 2 ,4 ,6 button

Prod.no: 20090058
2005-10-03

From S/N.7024206/7729722 Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
20090058	Hook	1

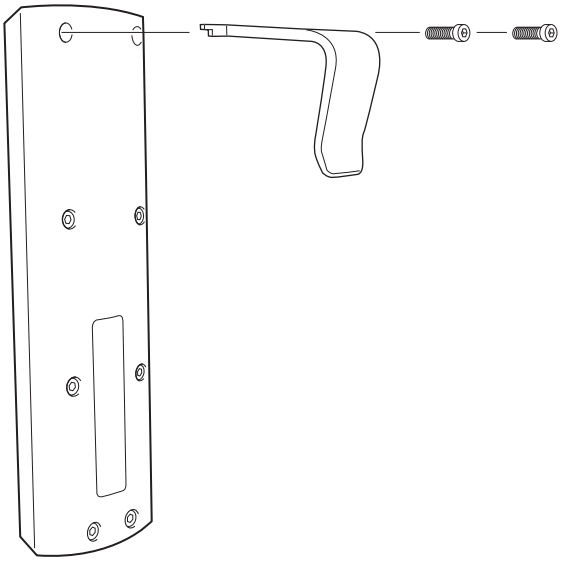
Hook for hand control, 2, 4, 6 button
Krok för handkontroll, 2, 4, 6 knappar

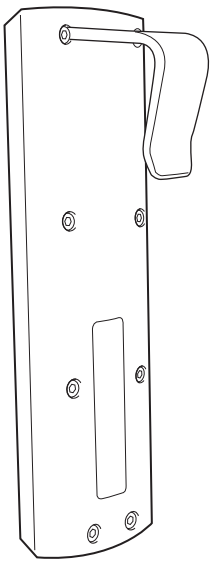
Assembly Instruction
Monteringsanvisning

Prod.no: 20090058
Doc. nr: 3SE630210-02
2005-08-22

Tools required

T10

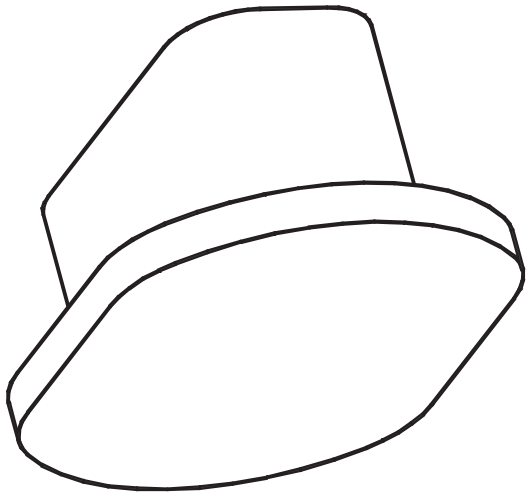




End Cover Handle/Arm Support Grey

Prod.no: 20090066
2005-10-03

From S/N..... Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
900000417	End cover handle/armsuppor	4

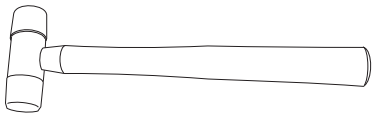
End Cover Handle/Arm Support
Ändplugg handtag/armstöd

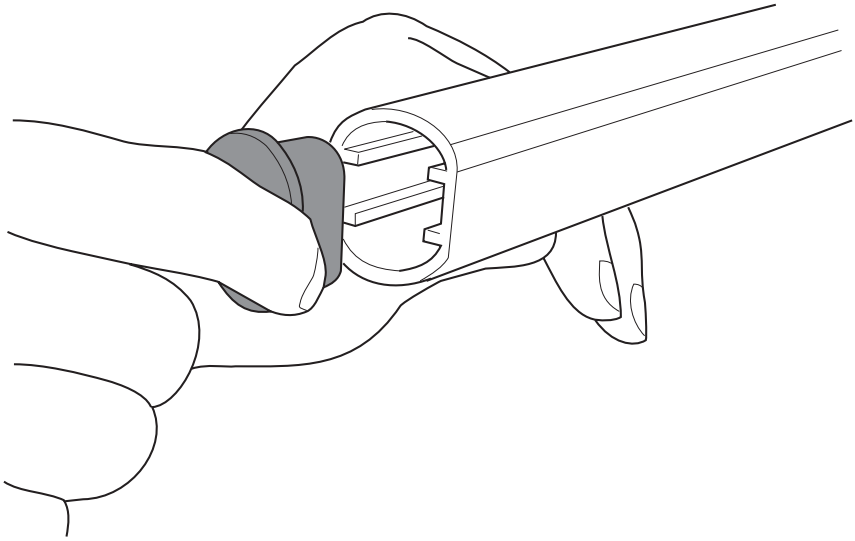
Assembly Instruction
Monteringsanvisning

Prod.no: 20090066

Doc. no: TI 20090066
2005-01-31

Tools required:

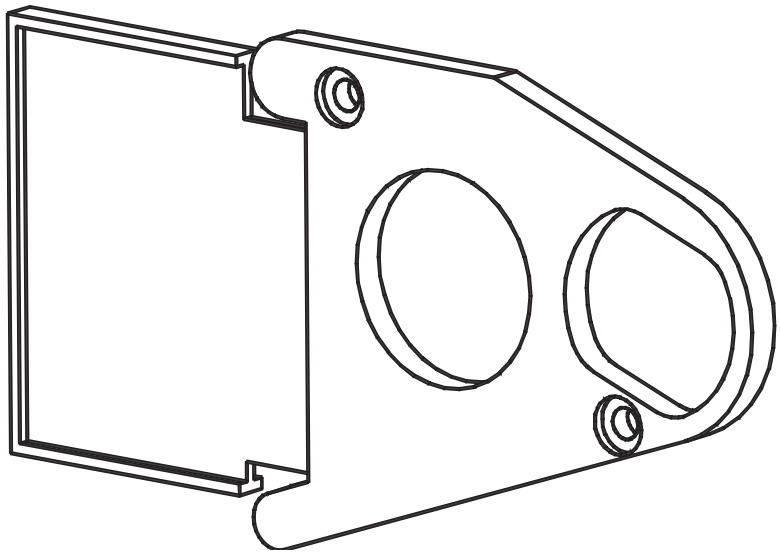




End Cover Arm Rest, grey

Prod.no: 20090067
2005-01-31

From S/N..... Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
901911146	End cover armrest	2
930000159	MRX M5x10 Ezloc	4
930000164	BRB 5,3x1x1	4

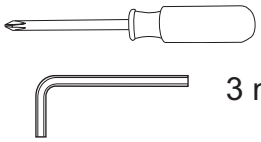
End Cover Arm Rest
Gavel armhållare

Assembly Instruction
Monteringsanvisning

Prod.no: 20090067

Doc. no: TI 20090067
2005-01-31

Tools required:



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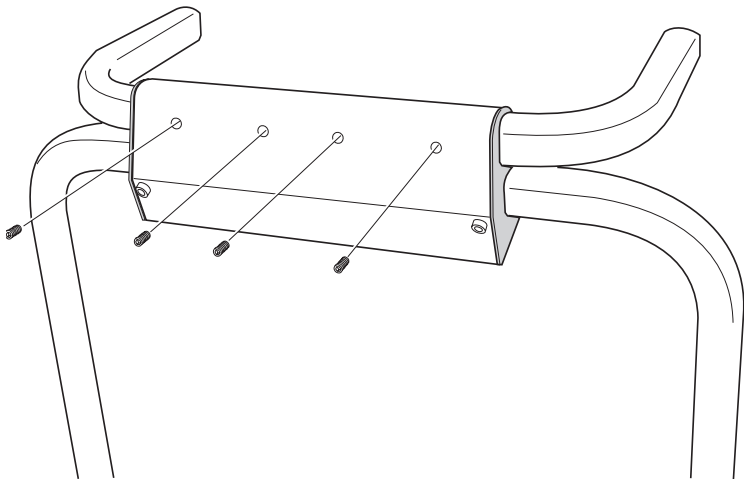

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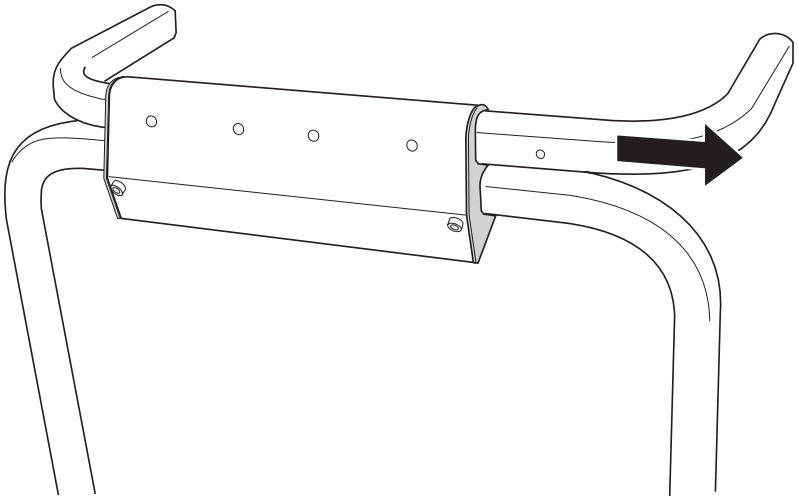

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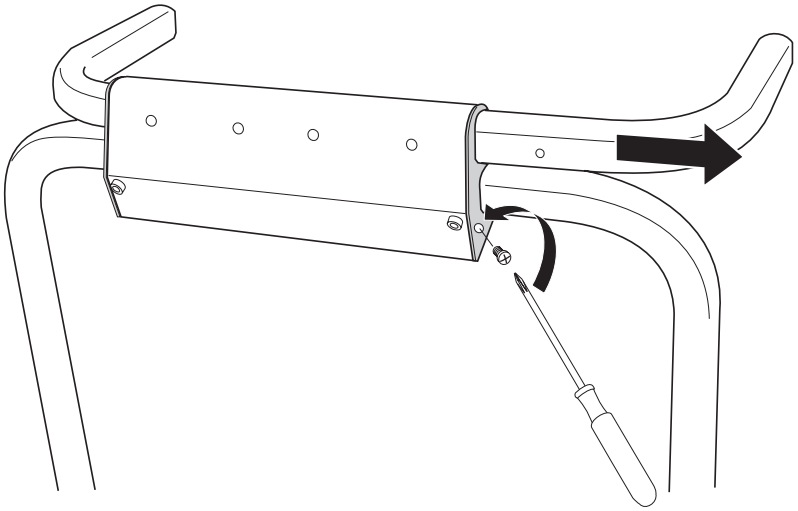
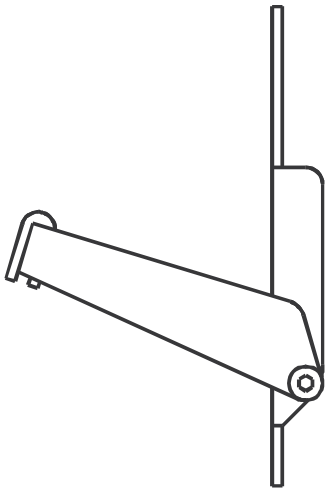
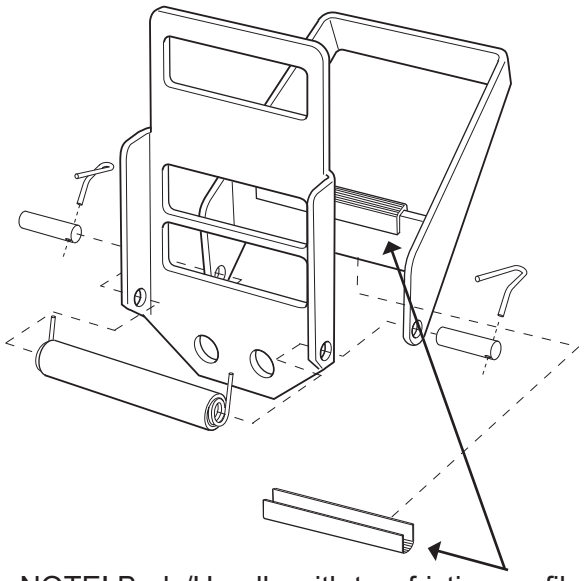


Body/Handle set G7-77

Prod.no: 20090068
2005-10-04

From S/N..... Version.....





NOTE! Body/Handle with two friction profile

Details included in sparepart:

Detail no.	Details:	Unit:
900000109H	Torsion spring l/r	1
900000109V	Torsion spring l/r	1
900000571	Friction Profile	2
9011201D2	Baseplate 2	1
901901207H	Axle stop right	1
901901207V	Axle stop left	1
90191201C	Baseplate	1
930000108	Tube 10/12 L=60mm	1
931891206	Pin D=6 L=30	

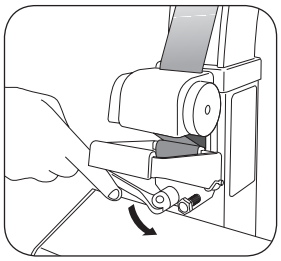
Liko

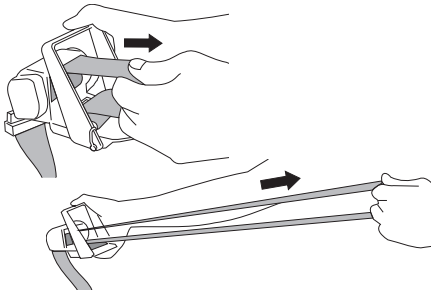
Body/Handle set G7-77
Stomme/Handtag G7-77 grå

Assembly Instruction
Monteringsanvisning

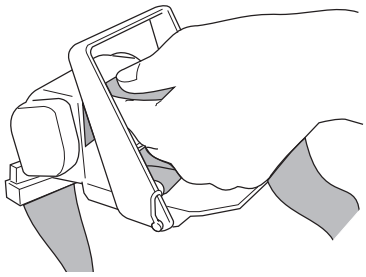
Prod.No. 20090068

3SE630273-01
2007-10-29





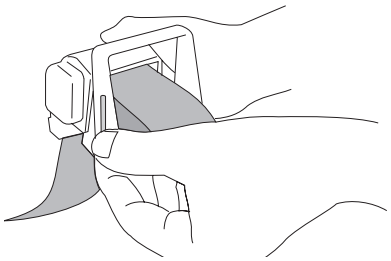
1. Pull the strap all the way out.



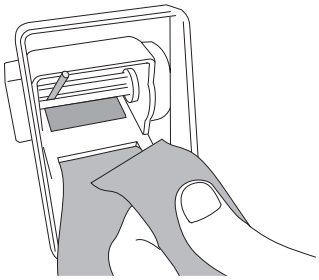
2. Hold the springloaded wheel and release strap by removing the pin.

Tools required:

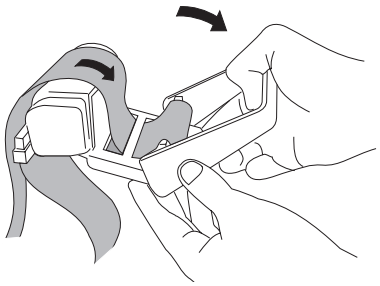
13 mm



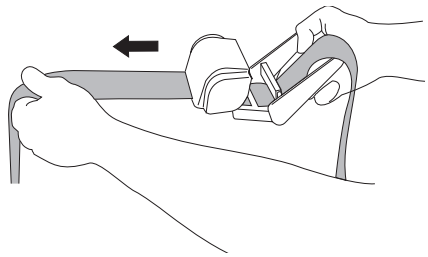
3. Remove the pin. △ Do not let go of the springloaded wheel, since the tension will release.



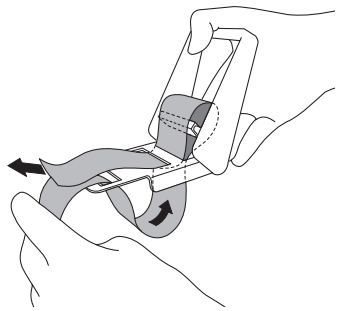
4. Use the pin to lock the axle where the strap was mounted.



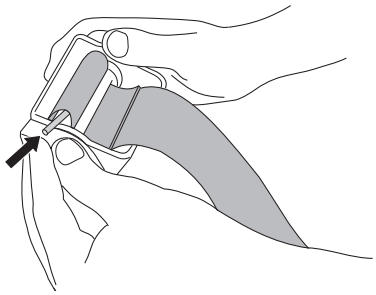
5. Push the emergency lowering handle down and pull the strap away.



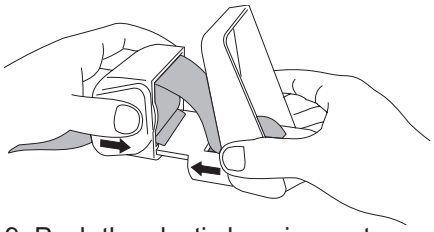
6. Pull the rest of the strap out and remove the plastic housing.



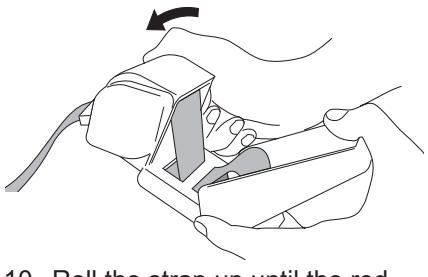
7. Mount the new strap through the plastic housing with the red mark towards the plastic housing and then as shown above.



8. Mount the strap through the slot in the axle and the same way back. **Note!** The axle has two different sides. Place the pin as shown to lock the strap. △ Do not let go of the springloaded wheel, since the tension will release.



9. Push the plastic housing on to the strap joint



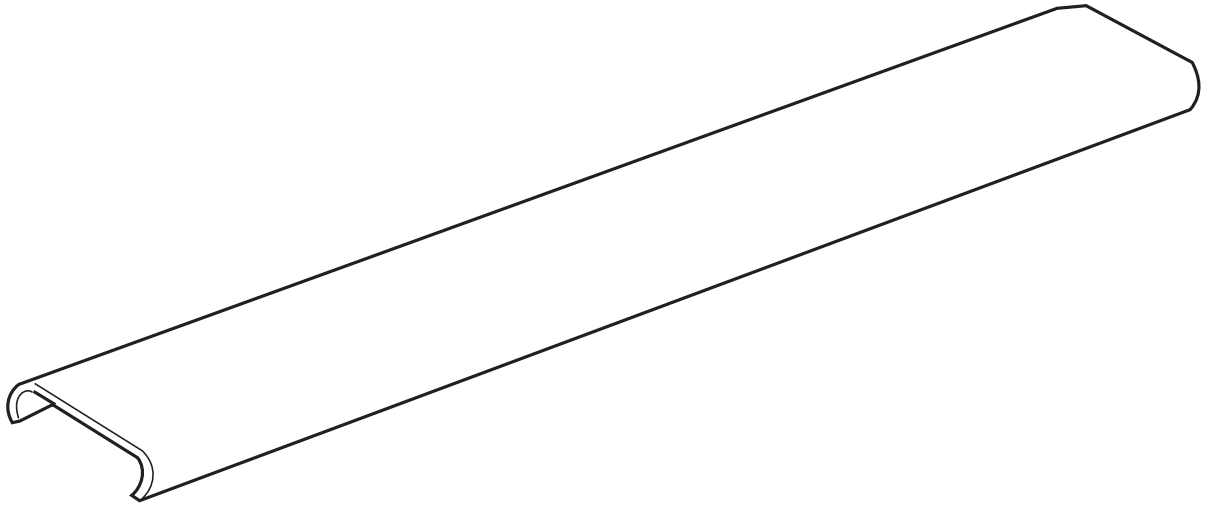
10. Roll the strap up until the red mark reaches the plastic housing.

△ **Check to ensure that the mechanical emergency lowering device is working with load (50kg / 110lbs).**

Leg Protector G7

Prod.no: 2006011G
2005-10-04

From S/N....7024206..... Version..V1.....



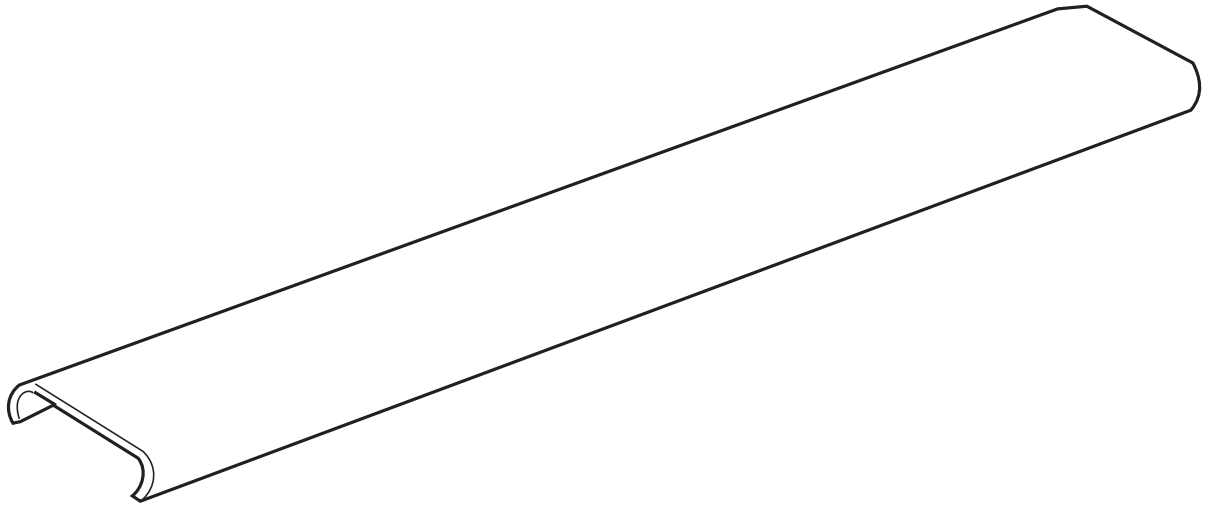
Details included in sparepart:

Detail no.	Details:	Unit:
901260323	Leg protector Golvo 7000 Grey	2
930000500	Tape-cushion 25x25	8

Leg Protector G77

Prod.no: 2006012G
2005-10-04

From S/N.....7729722..... Version.....V1.....



Details included in sparepart:

Detail no.	Details:	Unit:
901260324	Leg protector Golvo 7000 G Left	2
930000500	Tape-cushion 25x25	8

5.298-299.1

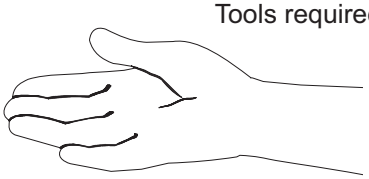
Leg Protector G7/G77
Benskydd G7/G77

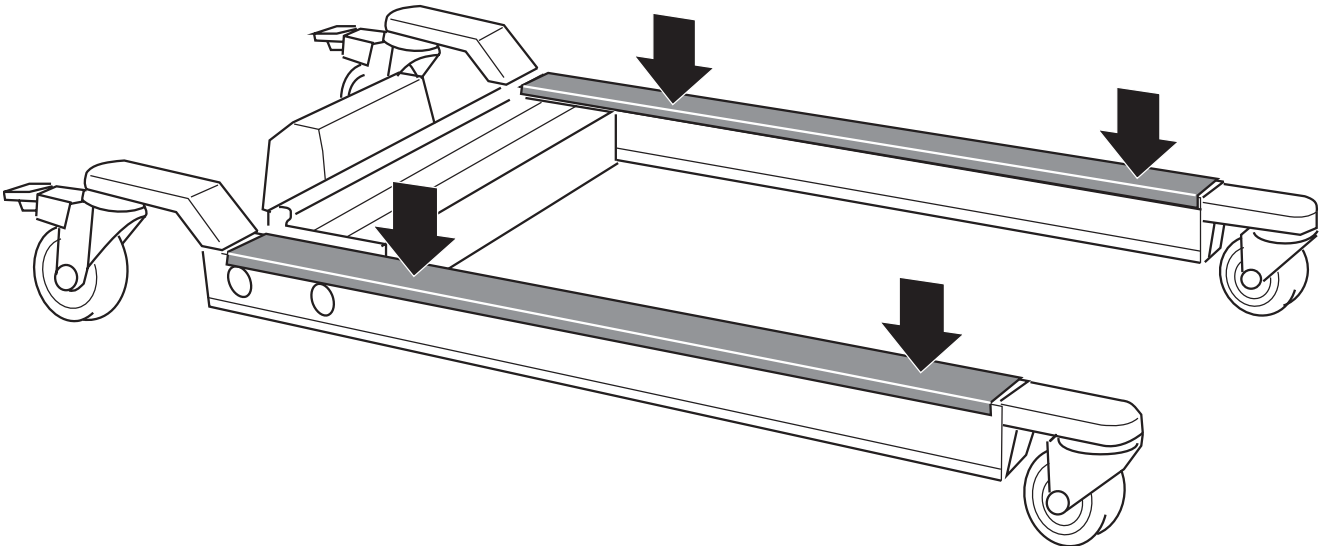
Assembly Instruction
Monteringsanvisning

Prod.no: 2006011G
2006012G

Doc. no: 3SE630212-01
2005-10-18

Tools required:

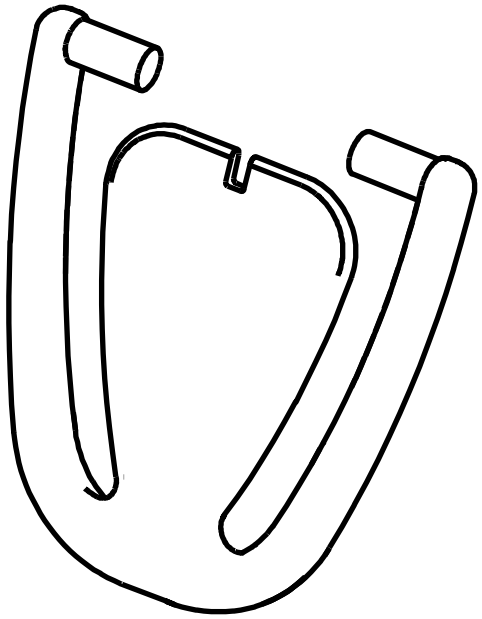




Safety Latch, composite

Prod.no: 31590014

From S/N.1221691 (Slingbar).. Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
901063508	Safety latch 3	2

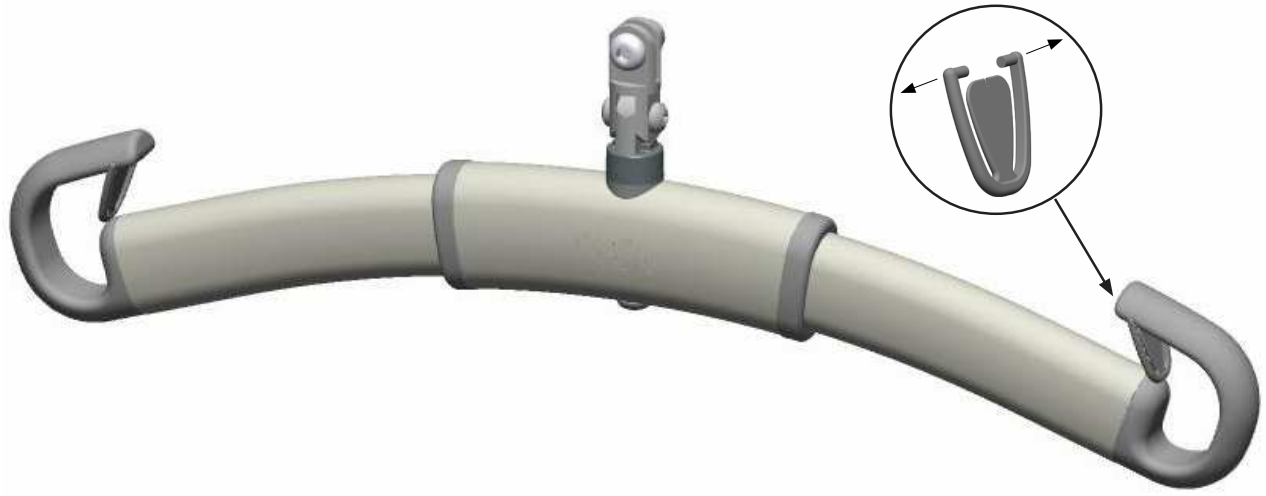
End Cover Arm Rest
Gavel armhållare

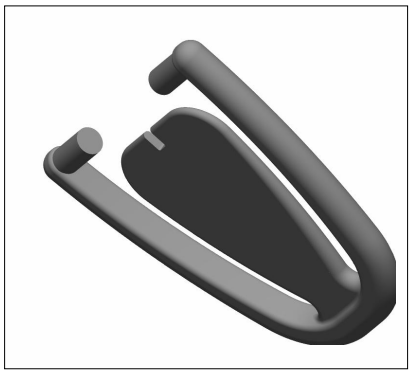
Assembly Instruction
Monteringsanvisning

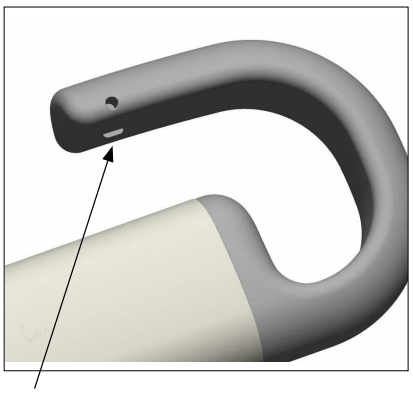
Prod no. 31590014

Doc. no: 3SE640242-01
2006-10-26

Tools required







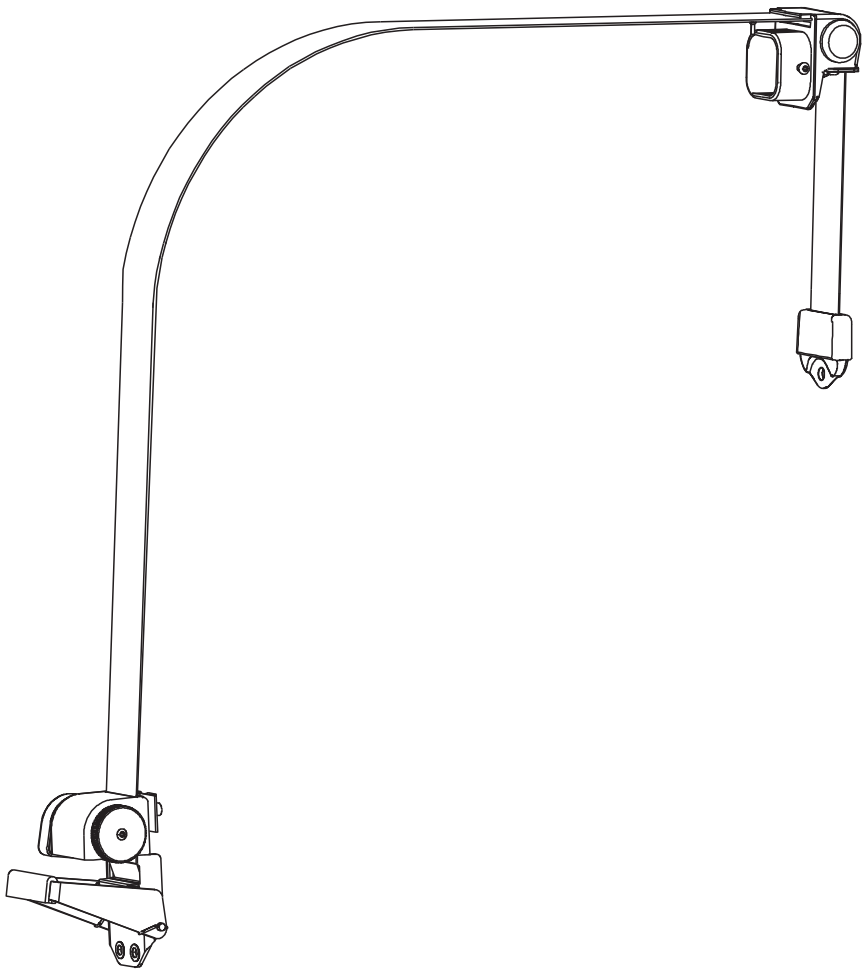
The new Safety latch can only be used on composite hooks equipped with a locator.

Use on slingbars from S/N 1221691
Proj 467

Easy Strapper G7

Prod.no: 20090069

From S/N..... Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
900000100	Shaft 10x74 G7	1
900002175	Emergency low.G7 grey w black lift strap	1
901311904-1	Lift Strap G7000 ES	1

5.323-324.1

Easy Strapper G7/77

Monteringssats komplett lyftband G7/77

Assembly Instruction
Monteringsanvisning

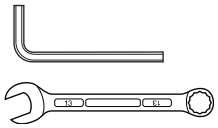
Prod no: 20090069, 20090070

3SE640248-01

2007-06-11

1.

Tools required:



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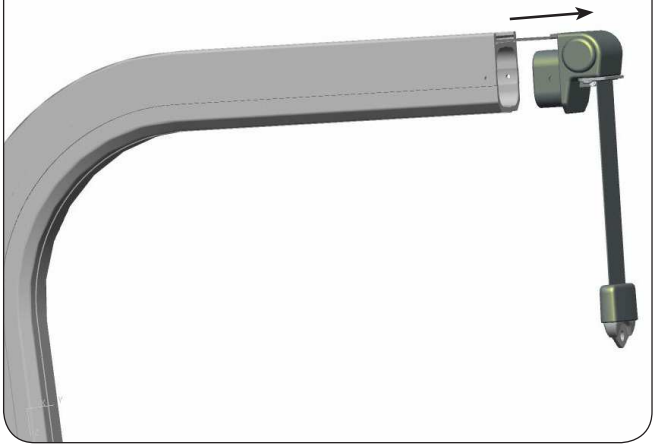

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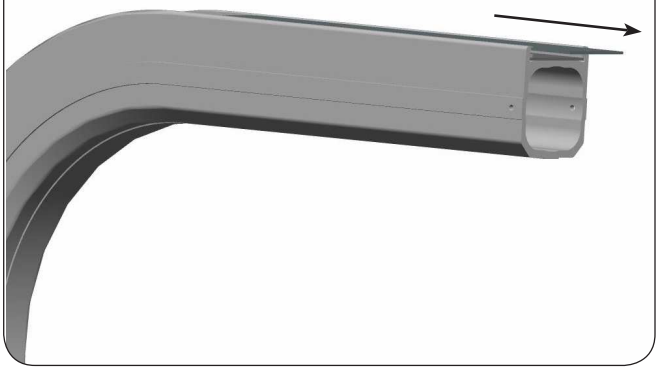


4. Change the sparepart -
assemble in reverse order.

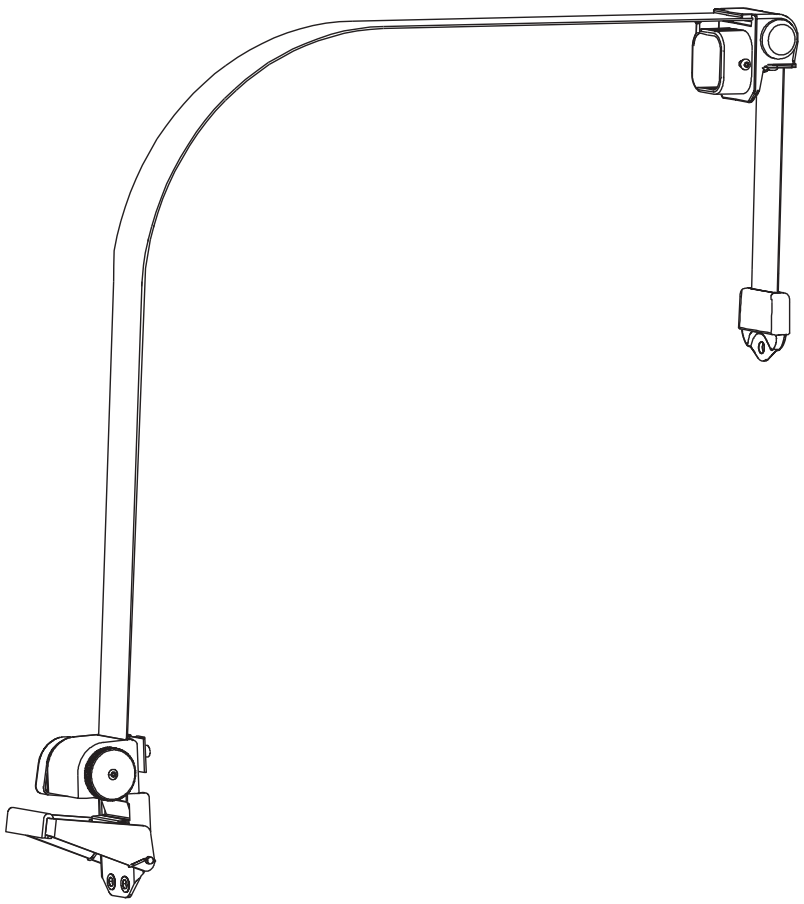
5.

After changing liftstrap the lift must be tested with maximum load. Check limiting switch.

Easy Strapper G77

Prod.no: 20090070

From S/N..... Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
900000100	Shaft 10x74 G7	1
900002176	Emergency low.G7 grey w black lift strap	1
901311905	Lift strap G7007ES Mk 2	1

Easy Strapper G7/77
Monteringssats komplett lyftband G7/77

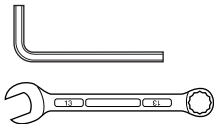
Assembly Instruction
Monteringsanvisning

Prod no: 20090069, 20090070

3SE640248-01
2007-06-11

1.

Tools required:



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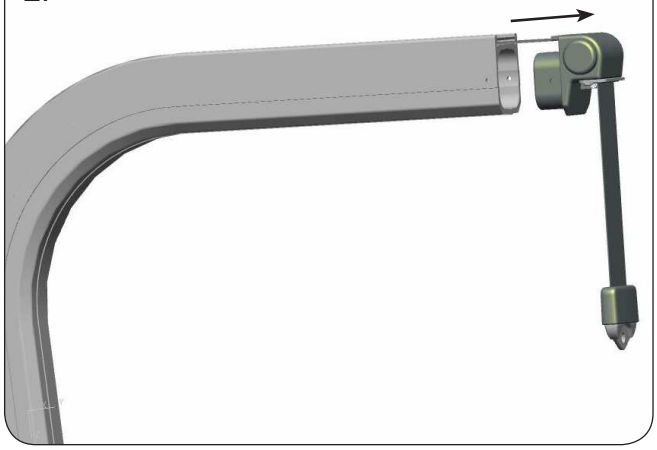

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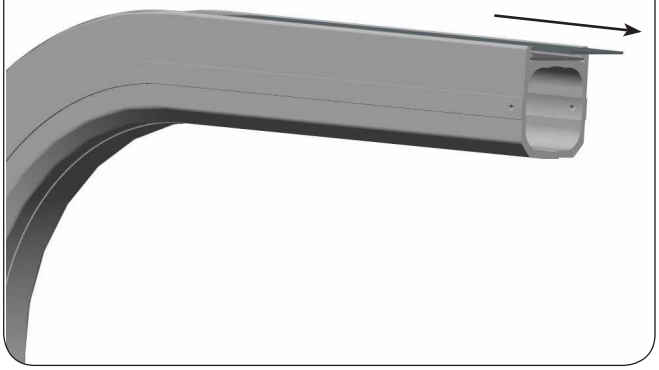


4. Change the sparepart -
assemble in reverse order.

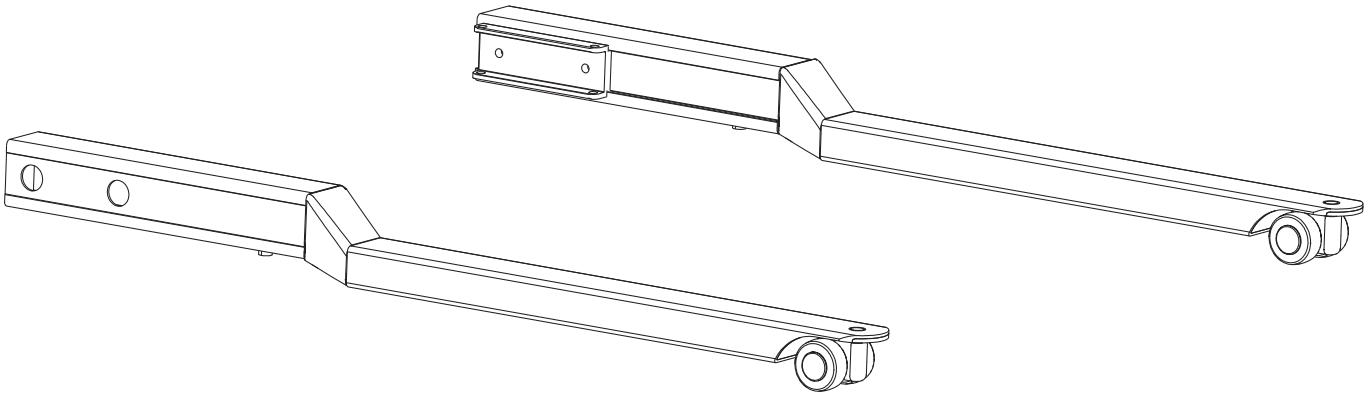
5.

After changing liftstrap the lift must be tested with maximum load. Check limiting switch.

Low Base kit Golvo 7007

Prod.no: 20090071

From S/N..... Version.....



Details included in sparepart:

Detail no.	Details:	Unit:
901901127	Leg clip	2
901711071	Leg adapter	2
901111212	Leg alu left	1
901111211	Leg alu right	1
901711101	Leg LowRider	2
930000091	Locking nut M8 Nyloc fzb	4
930000115	Screw MC6S M8x30mm Ezloc	2
930000563	Screw F6S M8x25	2
920000098	Ball bearing 6000-2Z/C3	4
900002278	Plastic cover IKPT 28 26 G	4
930000564	Retaining ring SGH26	4
930000091	Locking nut M8 Nyloc fzb	4
900002279	O-ring 9x1	2
920000023	Bearing 10/12x10	2
920000025	Bearing Nylonit 10/12/12	2
930000245	Stop screw S6SS M6x10	2
900000264	Ball Class IV RB 6.35 LR	2
901711111	Wheel D50 Golvo LowRider	4
901711091	Wheel axle 12x64 Golvo LowR	2
901711081	Wheel housing Golvo LowR	2
900002301	Cover list LowRider	2
930000500	Tape 25x25 G7	4

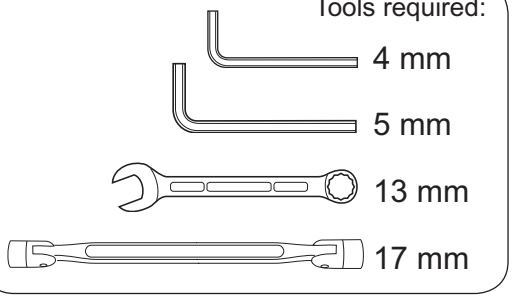
Low base kit Golvo 7007
Low Base ombyggnadssats Golvo 7007

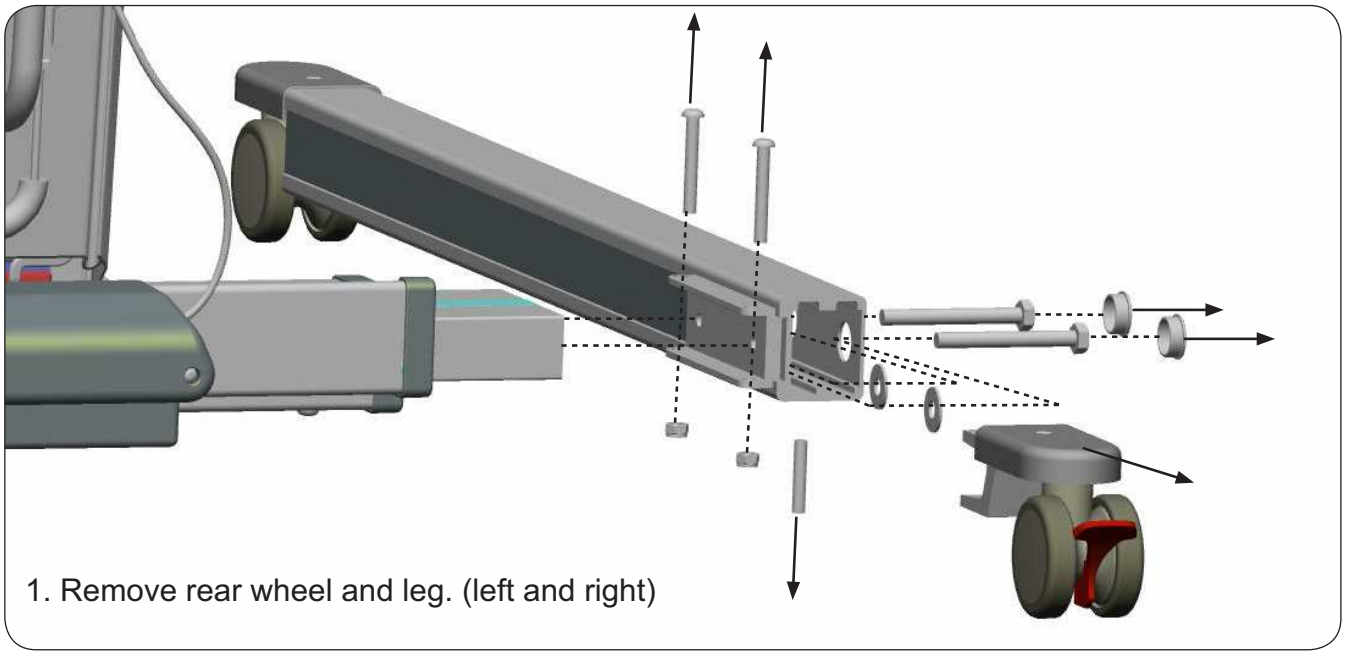
Assembly Instruction
Monteringsanvisning

Prod no: 20090071

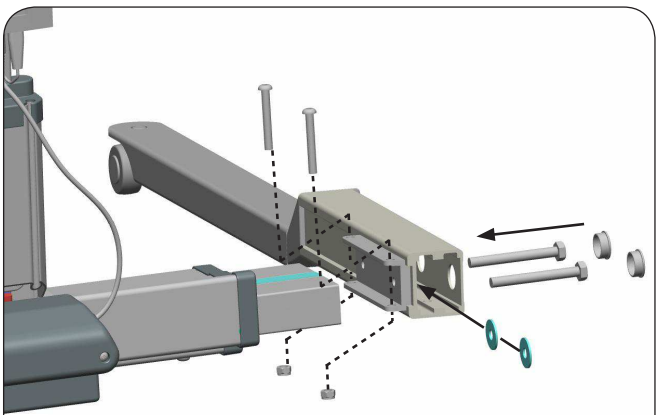
3SE640262-01
2007-10-05

Tools required:

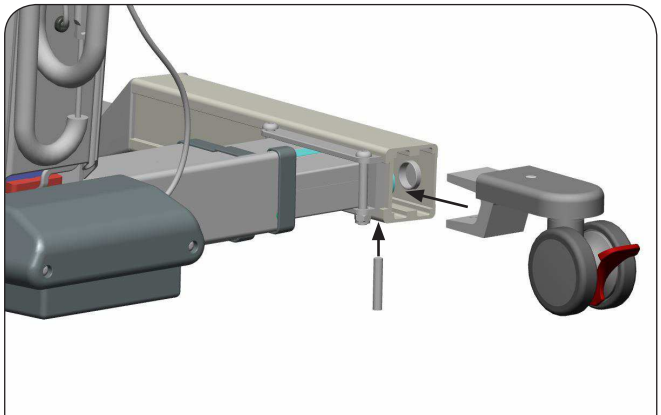




1. Remove rear wheel and leg. (left and right)



2. Assemble the legs with screws, nuts, plastic covers and washers from lift, according to the picture.

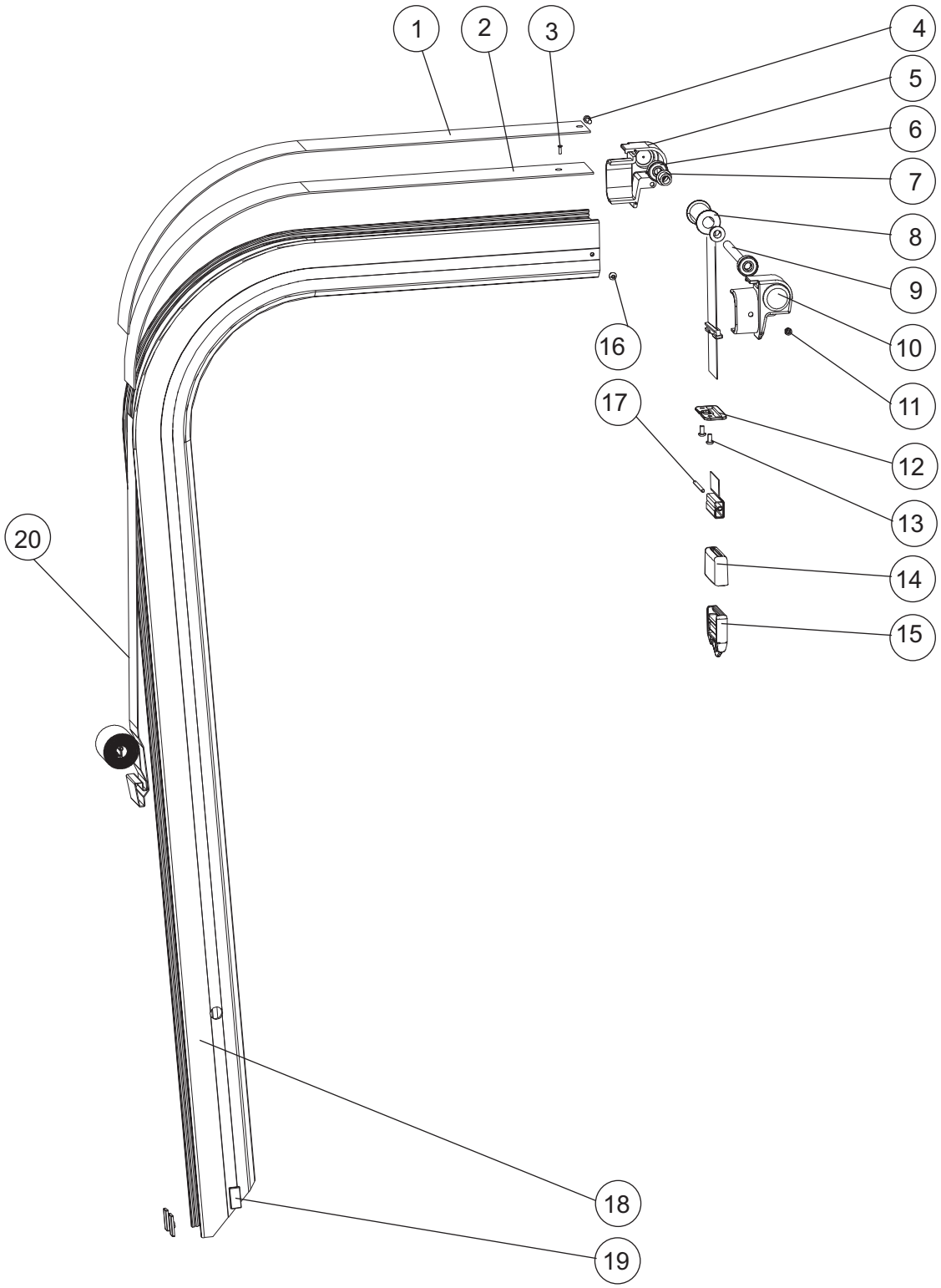


3. Assemble the rear wheels with stop screw.

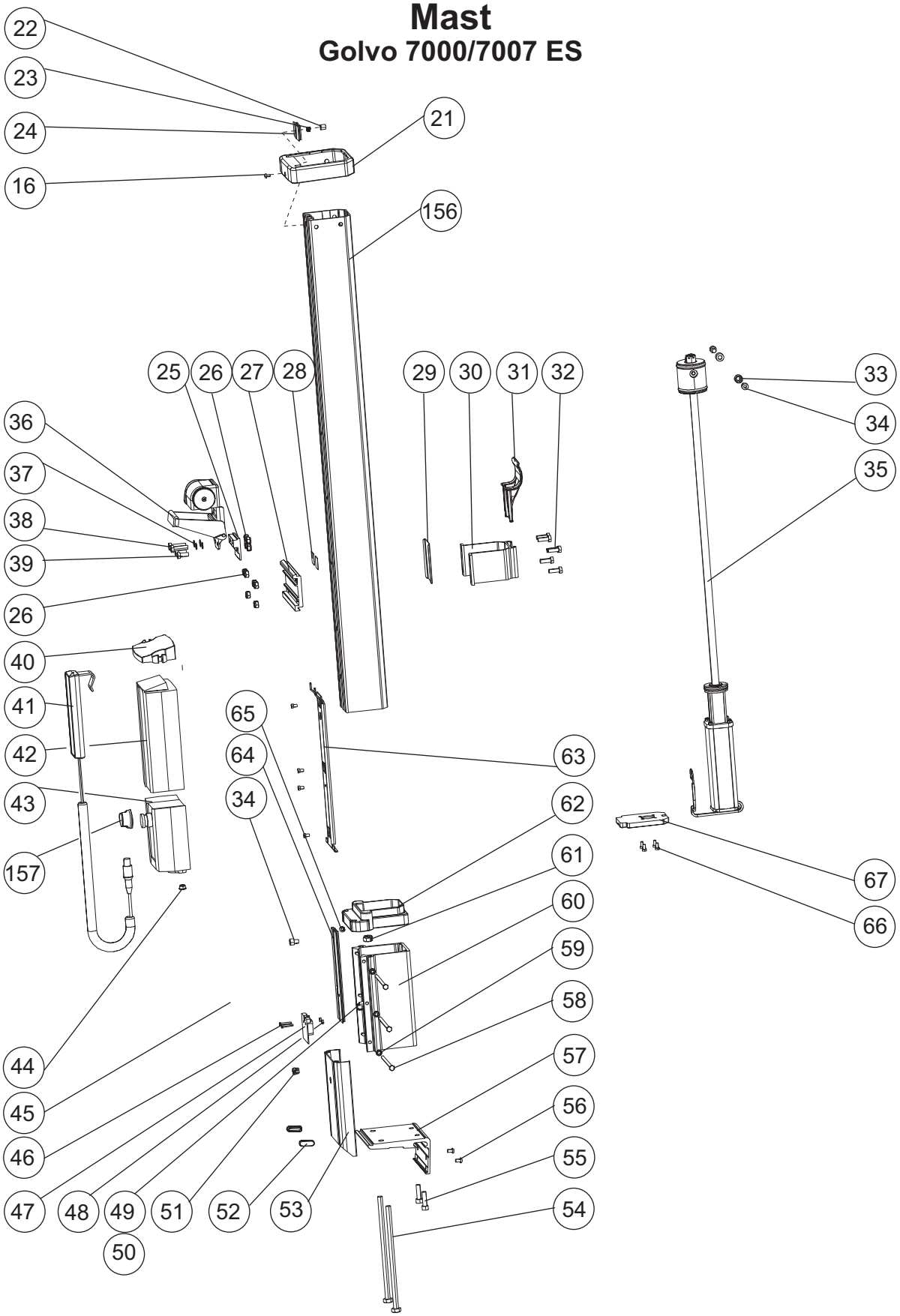
Simple Troubleshooting

The lift does not work up/down **Width adjustment does not work**	1. Check that the emergency stop button is not pushed in 2. Check that the cables are connected correctly 3. Check that the charger cable is not connected to the wall socket 4. Check that the battery contact plate is not defective or broken off 5. Check that the battery is charged 6. *If the lift still does not work satisfactory contact Liko*
Battery charging does not work	1. Check that the emergency stop button is not pushed in 2. Check that the battery contact plate is not defective or broken off 3. *If the lift still does not work satisfactory contact Liko*
The lift stops in the elevated position	1. Check that the emergency stop button is not pushed in 2. Check that the battery is charged 3. Use the emergency lowering device (marked). See page 9 4. *If the lift still does not work satisfactory contact Liko*
The lift does not reach its maximum lifting height	1. Check that the correct lifting range has been set, see page 9 2. *If the lift still does not work satisfactory contact Liko*
If you hear unusual sounds or discover wear and tear on the strap	*Contact Liko*

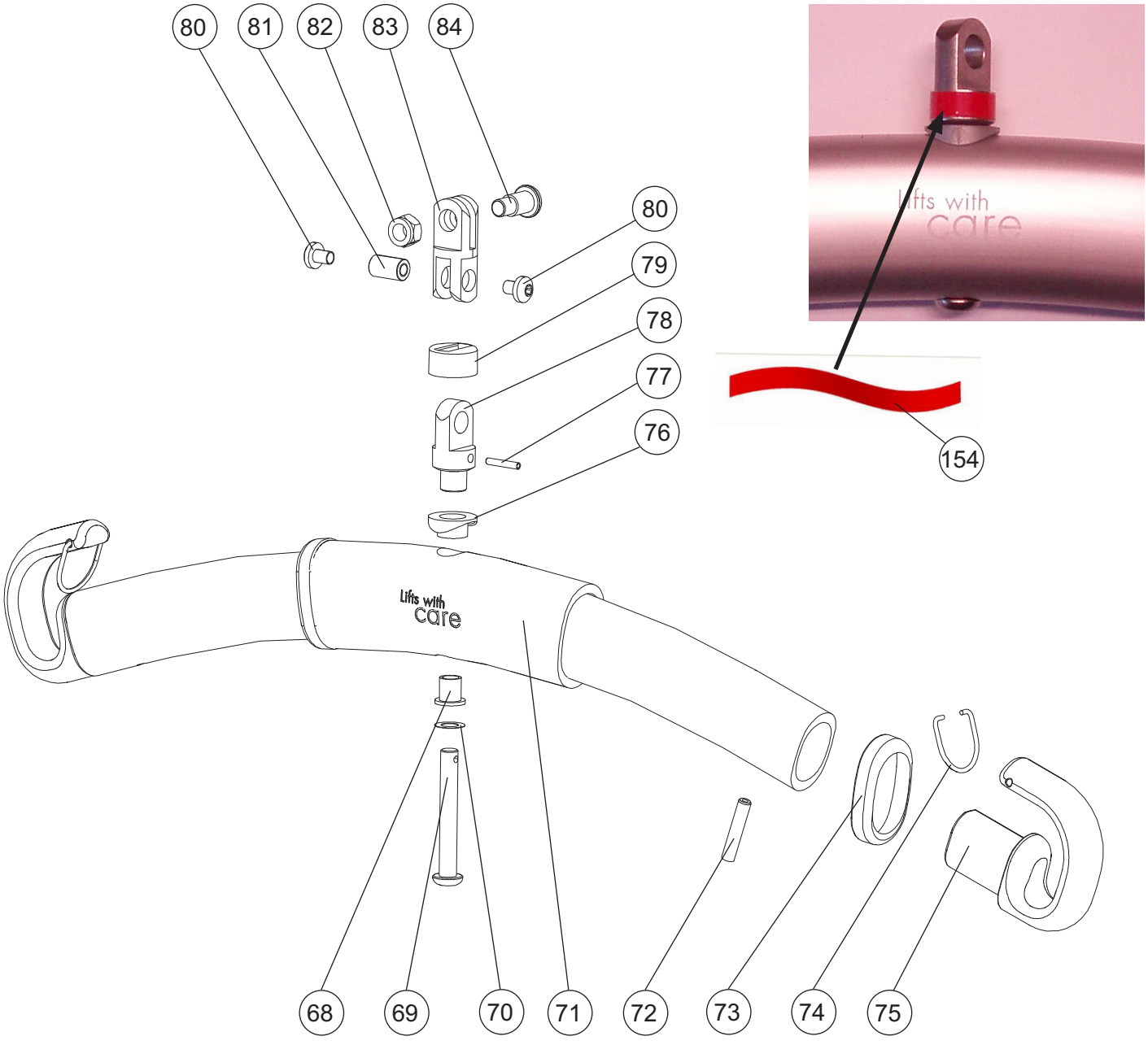
Exploded views
Mast
Golvo 7000/7007 ES



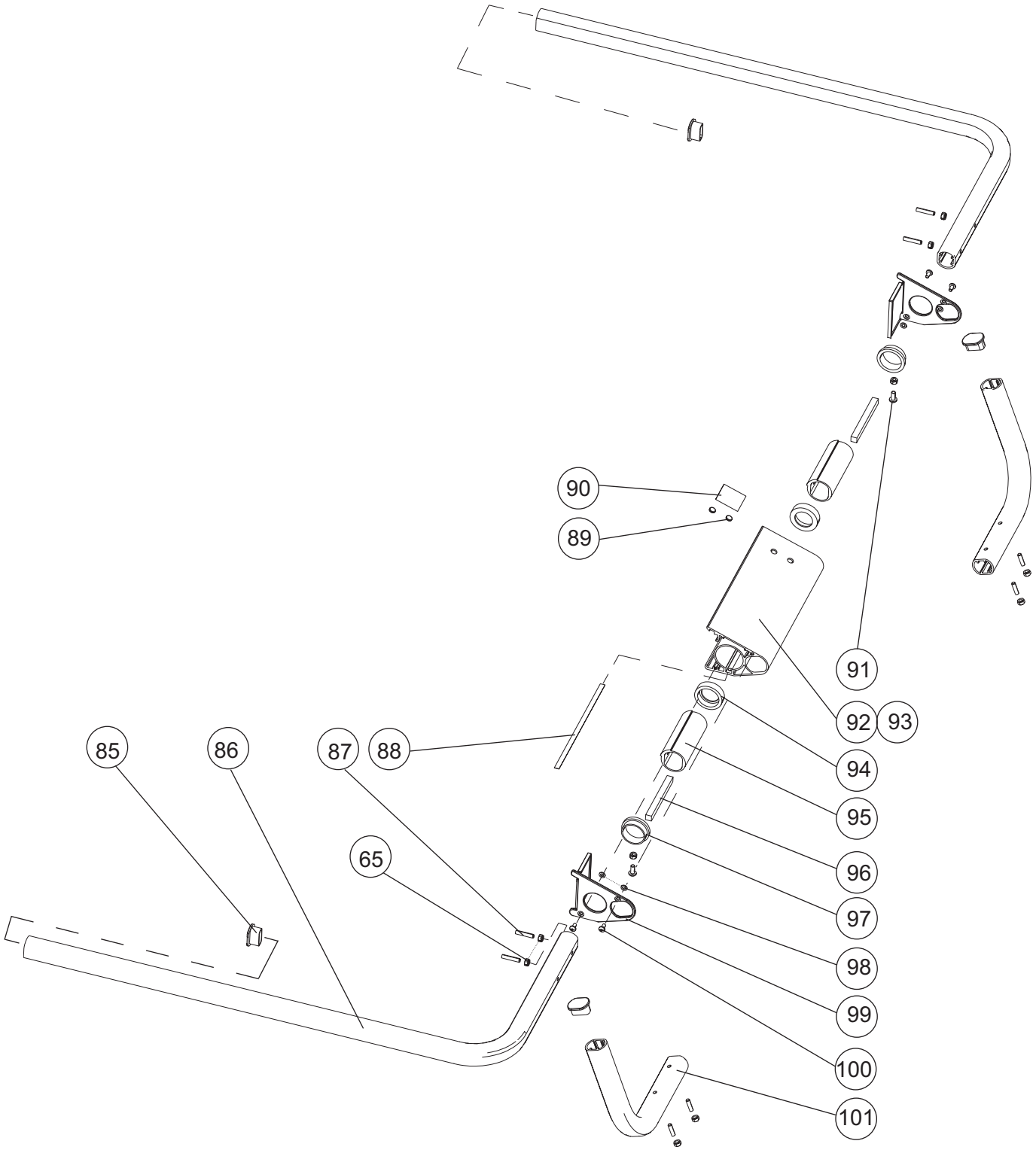
Exploded views
Mast
Golvo 7000/7007 ES



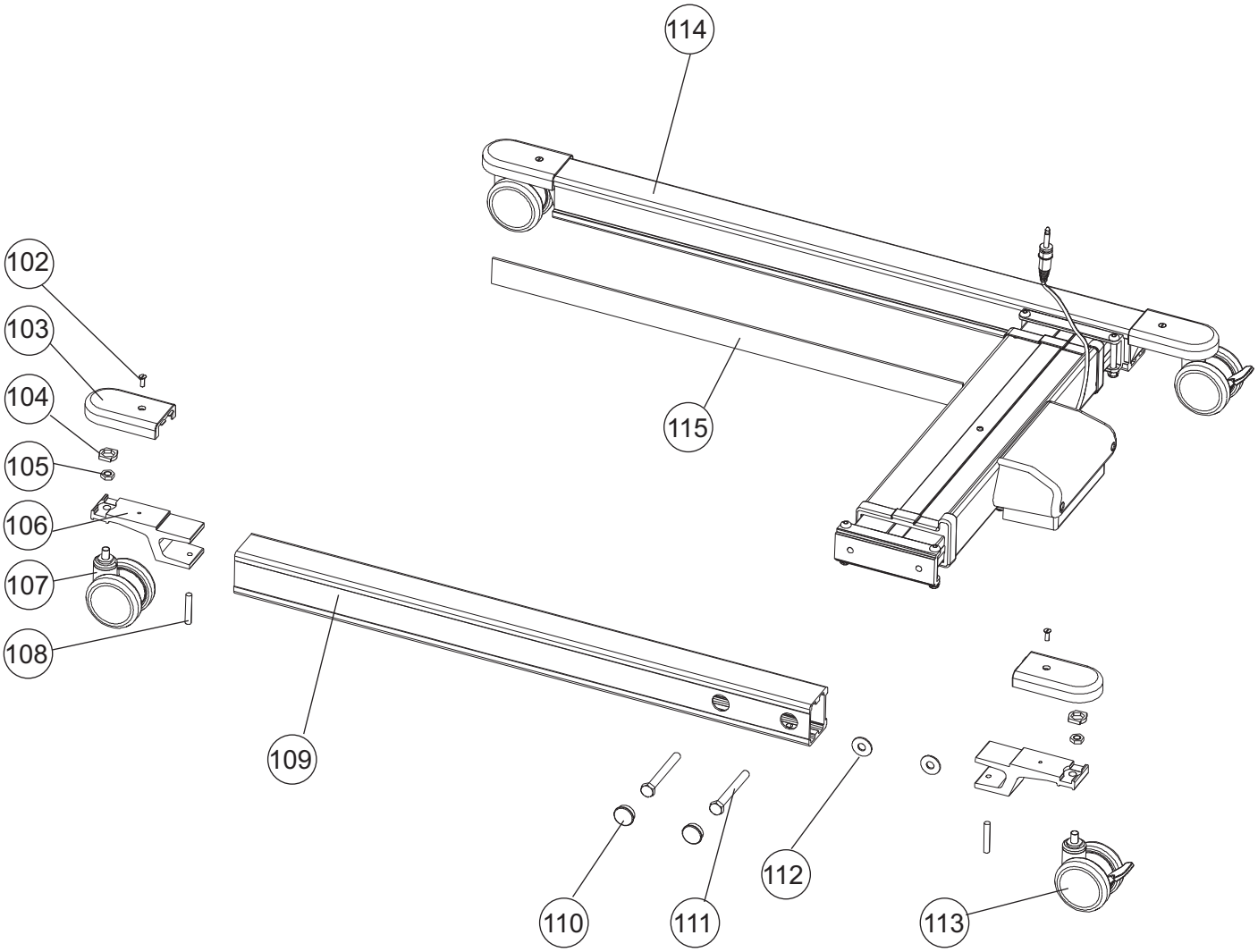
Exploded views
Sling Bar
Golvo 7000/7007 ES



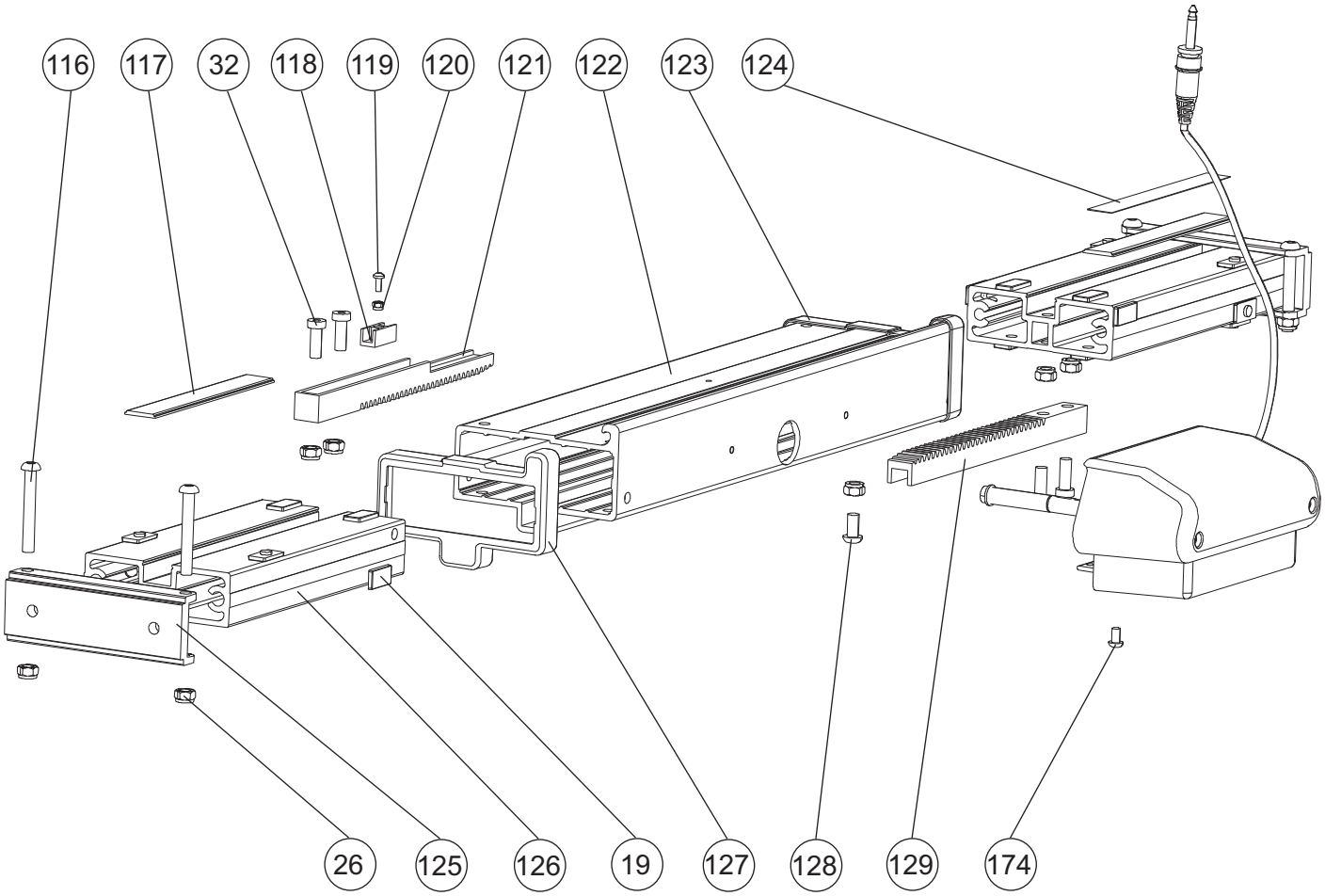
Exploded views
Armrest
Golvo 7000/7007 ES



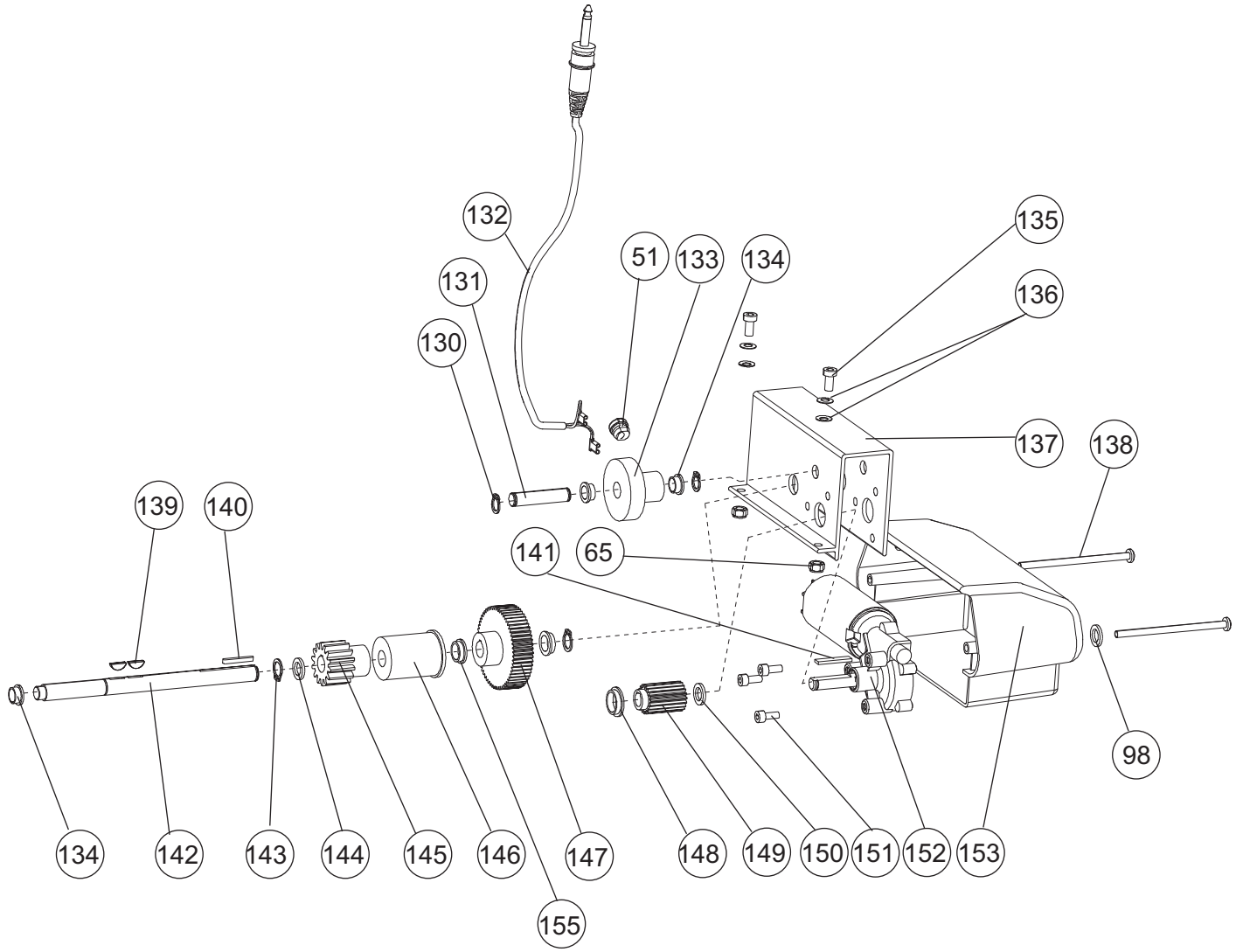
Exploded views
Base
Golvo 7000/7007 ES



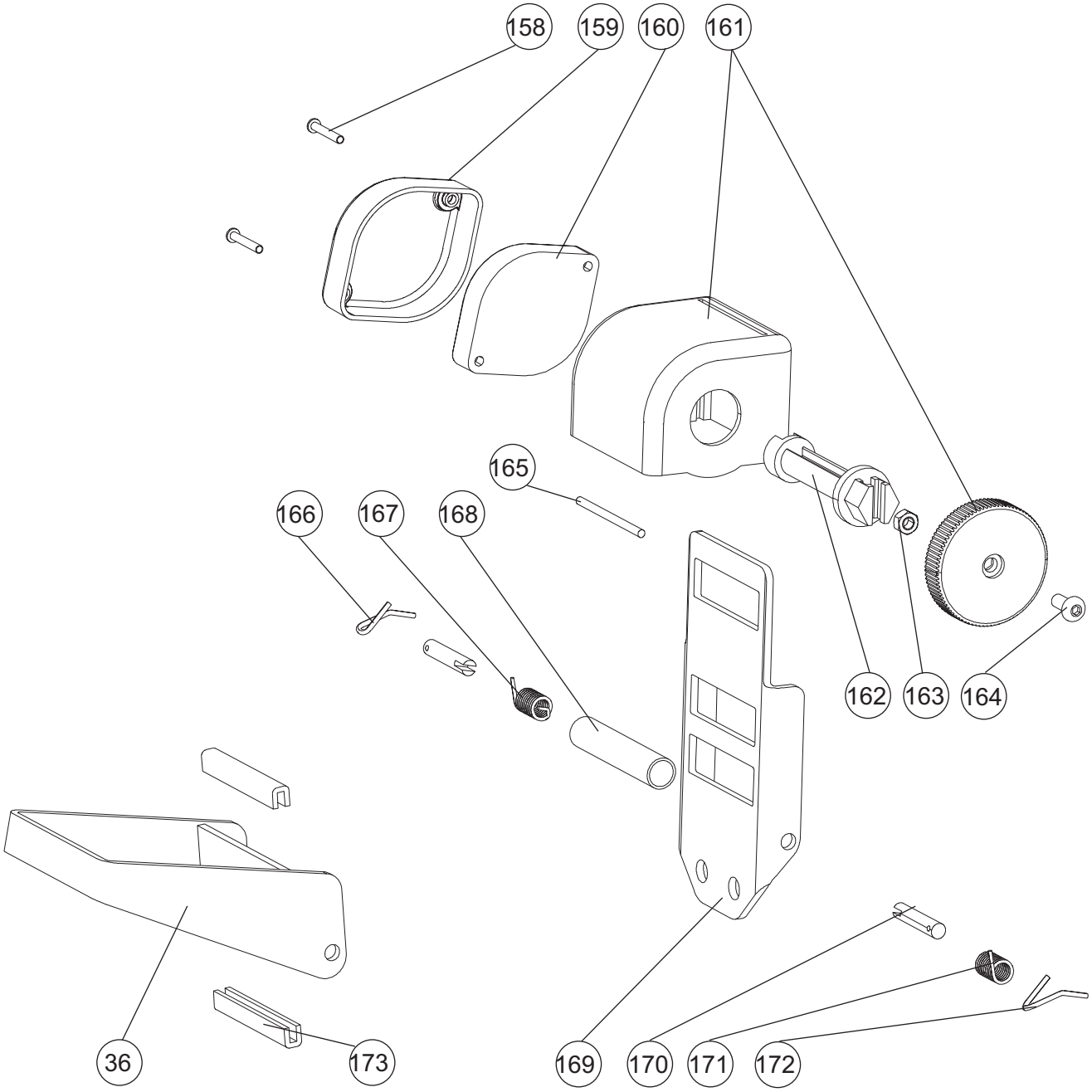
Exploded views
Middle Beam
Golvo 7000/7007 ES



Exploded views
Motor Golvo base
Golvo 7000/7007 ES



Exploded views
Emergency lowering
Golvo 7000/7007 ES



Components

Golvo 7000ES / 7007ES Part.2000009 / 2000010

Pos.no	Article no	Name	Quantity Golvo 7000ES	Quantity Golvo 7007ES
1	90114751A	Lift strap Cover Strip, G7 MkII	1	
	90114751B	Lift strap Cover Strip, G77 Grey		1
2	900000101-1	Sliding strip PTEF	1	
	90114732B	Lift strap PTFE Guide strip G77		1
3	930000103	Screw MFX M3x10mm	1	1
4	930000063	Screw MC6S M5x12mm	1	1
5	90121116V	Roll frame attachment Left G7 Grey	1	1
6	920000048	Nylon Bearing 10x15x12 G7	2	2
7	920000098	Ball bearing 6000-2Z/C3	2	2
8	901486132	Strap roller D32 G7	1	1
9	900000100	Shaft 10x74 G7	1	1
10	90121116H	Roll frame attachment Right G7 Grey	1	1
11	930000104	Locking nut M5	1	1
12	901211152	Reinforcement Plate	1	1
13	930000316	Screw K6S M5x10mm	2	2
14	901035252	Strap joint plastic cover	1	1
15	901135582	Lift strap joint	1	1
16	930000081	Screw K6S M5x8 Ezloc	3	3
17	900000512	Lift strap safety pin 4mmx48mm	1	1
18	901891102-1	Inner mast G7000ES	1	
	901891102	Inner mast G7007ES		1
19	901486126-1	Friction plate 3,0mm	8	8
19	901486126-2	Friction plate 3,2mm	19	19
19	901486126-3	Friction plate 3,4mm	4	4
19	901486126-4	Friction plate 2,8mm	4	4
20	901311904-1	Liftstrap Golvo 7000S	1	
	901311905	Lift strap G7007ES Mk2		1
21	901931161	Outer mast plastic cover G7 grey	1	1
22	960000122	Friction Post d=10.4 L=10.4 G7	1	1
23	900000121	Pressure spring 9,5x11 G7	1	1
24	901901143	Pressure spring cover plate	1	1
25	900000112	E-lowering Handle Mounting Plate G7	1	1
26	930000091	Lock nut M8	19	19
27	931891114	Arm rest attachment plate, G7	1	1
28	930000500	Tape 25x25 G7	2	2
29	901411011	Mast protection strip, G7-77	1	1
30	901901123	Parking Bracket Holder G7	1	1
31	901311162	Parking bracket	1	1
32	930000093	Screw MC6S M8x22mm Low	10	10
33	930000119	Plastic bushing d=8 G7	2	2

Components

Golvo 7000ES / 7007ES Part.2000009 / 2000010

Pos.no	Article no	Name	Quantity Golvo 7000ES	Quantity Golvo 7007ES
34	930000120	Screw MC6S M8x10mm Ezloc	3	3
35	900001166	Actuator G7-77	1	1
36	90191201C	Emergency lowering Handle	1	1
37	930000214	Spacer ring PS 8/14x0,2	4	4
38	930000113	Screw M6S M8x30mm	2	2
39	930000153	Screw MC6S M8x18mm Low	2	2
40	900000324	Charging cable Holder	1	1
41	950000047	Hand control ES	1	1
42	950000044	Battery box	1	1
43	950000027	Control Box Golvo ES	1	1
44	900000292	Receptacle cover	1	1
45	951211191	Motor cable G7-77ES	1	1
46	930000105	Screw MCS M4x22mm	2	2
47	950000121	Electronic card limit switch	1	1
48	900001468	Spacer DRM 4380	2	2
49	901611952	Limit switch trip wireform	1	1
50	900001469	Limit switch trip wireform cover	1	1
51	900000088	Cable grommet (or holder)	2	2
52	900001847	Plastic Insert	2	2
53	951911125	Electrical Cover, Aluminum	1	1
54	930000114	Screw M6S M10x220mm	2	2
55	930000115	Screw MC6S M8x30mm Ezloc	2	2
56	930000504	Screw MC6S M6x10	2	2
57	901901118	Mast attachment plate	1	1
58	930000116	Screw M6S M6x110mm	3	3
59	930000154	Washer TBRB 6,4x12x3	3	3
60	900191106	Outer Mast Support	1	1
61	930000010	Lock nut M10	2	2
62	901931163	Electrical Cover, plastic, grey	1	1
63	900000001	Control box attachment plate	1	1
64	901011241	Limit Switch Mounting Plate	1	1
65	930000117	Lock nut M6 Nyloc	17	17
66	930000118	Screw MC6S M5x10mm Low ezloc	4	4
67	901911136	Plastic Motor mount plate	1	1
68	920000020	Nylon Bearing 8/10x12	1	1
69	931335141	Sling bar bolt	1	1
70	930000462	Washer PS 8/14x0,2 A2	1	1
71	901235523	Sling bar body	1	1
72	930000438	Screw SK6SS M6x30mm	2	2
73	901335241	Plastic Cover	2	2

Components

Golvo 7000ES / 7007ES Part.2000009 / 2000010

Pos.no	Article no	Name	Quantity Golvo 7000ES	Quantity Golvo 7007ES
74	901335192	Safety latch	2	2
75	901635092	Hook composite	2	2
76	921335201	Plastic bearing	1	1
77	930000485	Dowel pin FRP3x18 A2	1	1
78	901535111	Slingbar bolt lower, R2R	1	1
79	901335232	Slingbar bolt casing R2R	1	1
80	930000483	Screw MRT M6x8 Ezloc A2	2	2
81	901435271	Threaded casing M6 10x16,5	1	1
82	930000303	Lock nut M8 nyloc A2	1	1
83	901435261	Slingbar Adapter	1	1
84	931335251	Shoulder screw M8x21	1	1
85	900000417	End cover Light grey	4	4
86	900911082	Arm support G7	2	2
87	930000160	Stop screw S6SS M6x30	8	8
88	930000165	Plastic distance 225x8x0,5 G7	1	1
89	900000544	Magnet 10x2,5	2	2
90	900000545	Plate 40x40x1 G7	1	1
91	930000158	Screw MRX M6x14	2	2
92	931891112	Armrest G7	1	1
93	900000235	Sticker armrest Golvo Es	1	1
94	901011312	Bushing G7	2	2
95	901891110	Armstop	2	2
96	930000155	Wedge 10x10x105 alu. G7	2	2
97	901013111	Axial bushing	2	2
98	930000164	Washer BRB 5,3x10x1	6	6
99	901911146	Endcover armrest Grey	2	2
100	930000159	Screw MRX M5x10 Ezloc	4	4
101	901911081	Handle G7	2	2
102	930000424	Nylon screw M5x16 Nature	4	4
103	900000419	Front fork cover grey light	4	4
104	901825082	Front fork locking light	4	4
105	930000268	Nut M6LM M10 ISO	4	4
106	901012611	Front fork Viking	4	4
107	911290211	Front wheel 75mm Steinco	2	2
108	930000060	Stop screw P6SS M8x45	4	4
109	901011211V 901011212	Base leg Golvo7000S L Leg 7007ES Left	1	 1
110	900000007	Plastic cover IKPT 2528G	4	4
111	930000067	Screw M6S M10x90	4	4
112	930000379	Washer BN732 10,5x30x2	4	4

Components

Golvo 7000ES / 7007ES Part.2000009 / 2000010

Pos.no	Article no	Name	Quantity Golvo 7000ES	Quantity Golvo 7007ES
113	911290212	Rear wheel 75mm Steinco	2	2
114	901011211H	Base leg Golvo7000S R	1	
	901011212	Leg 7007ES Right		1
115	900001845	Cover list 7000 grey compl.	2	2
	900001853	Cover list 7007 grey compl.		
116	930000090	Screw K6S M8x60	4	4
117	900001845	Cover profile G7000	2	
	901011242	Cover profile G7007		2
118	90181701-3	Slipper (included in pos 121)	1	1
119	930000083	Screw MRX M4x10	1	1
120	930000084	Locking nut M4 Nyloc	1	1
121	90181701-1	Gear rack upper	1	1
122	9011119DA	Middle beam 7000ES	1	
	9011119DB	Middle beam 7007ES		1
123	901311621	Plasic cover middle beam Right Grey	1	1
124	900000504	Sticker, scale G7000	1	
	900000521	Sticker, scale G7007		1
125	901901127	Leg clip	2	2
126	9011120BA	Middle beam insert side rail 7000ES	2	
	9011120BB	Middle beam insert side rail		2
127	901311622	Plasic cover middle beam Left Grey	1	1
128	930000092	Screw K6S M8x16	1	1
129	90181701-2	Gear rack lower	1	1
130	930000250	Retaining ring SGA10	2	2
131	901971198	Axel 10x46,7 G7-77	1	1
132	950000054	Motor cable chassi G7-77	1	1
133	901981199	Stept gear 20/44M1 G7	1	1
134	920000082	Nylon bearing 10x12x6	3	3
135	930000188	Screw MC6LS M6x12 low	2	2
136	930000405	Spring washer 12x6,2x0,5	4	4
137	901811972	Motor attachment 3 G7-77	1	1
138	930000240	Screw MRX M5x90	2	2
139	930000076	Wedge WK 3x13	2	2
140	930000243	Wedge 3x3x25 SMS2306	1	1
141	930000085	Wedge 28x6x2 G7	1	1
142	901111332	Axel 12x181 G7-77	1	1
143	930000074	Retaining ring SGA12	2	2
144	930000341	Distance washer PS12x18x0,5	1	1
145	961111352	Gear wheel 14 M2 G7	1	1
146	901111342	Bearing chassi mod.2 G7	1	1

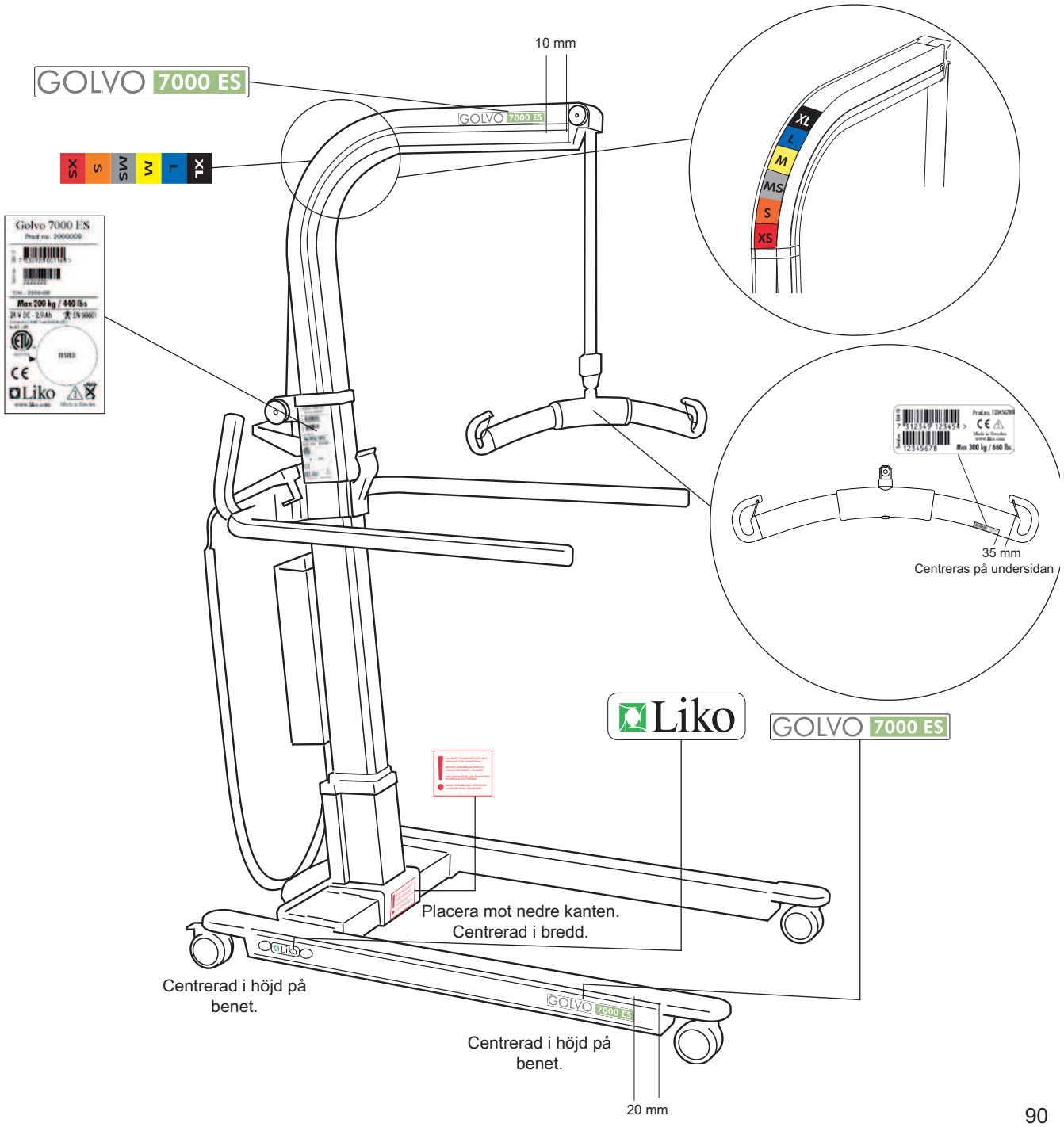
Components

Golvo 7000ES / 7007ES Part.2000009 / 2000010

Pos.no	Article no	Name	Quantity Golvo 7000ES	Quantity Golvo 7007ES
147	901113541	Drive wheel 60M1 mod.2 G7-77	1	1
148	921921150	Nylon bearing 15x18x5 G7	1	1
149	901113543	Motor wheel 20M1 mod.2 G7-77	1	1
150	930000086	Washer PVC 10x16x2	1	1
151	930000234	Screw MC6S TT M5x12	3	3
152	940000004	Motor 404.603 G7-77	1	1
153	900001821	Motor cover chassi G7-77 grey	1	1
154	900002239	Seal tape 60x7mm	4	4
155	920000075	Nylon bearing 12x15x5	2	2
156	90191104A 90191104B	Mast G7000ES Mast G7007ES	1	 1
157	901535091	Emergency Stop guard	1	1
158	930000490	Screw TP WN1412 3x20	2	2
159	901411031	Cover spring magazine	1	1
160	900000106	Spring magazine	1	1
161	900001851	Plastic housing knob rail	1	1
162	901901202	Strap shaft emergency lowering	1	1
163	930000230	Nut M6M M5	1	1
164	930000082	Screw K6S M5x12	1	1
165	900000570	Locking pin 3x48	1	1
166	901901207H	Axelstop Left emerg.	1	1
167	900000109	Torsion spring left	1	1
168	930000108	Tube 10x12 L=60 Alu. Emerg.	1	1
169	9011201D2	Body emergencylowering	1	1
170	931891206	Pin 6x30 emerg.	2	2
171	900000109	Torsion spring Right	1	1
172	901901207V	Axelstop right emerg.	1	1
173	930000341	Screw K6S M5x10 Fzb	2	2
174	930000079	Screw K6S M6x10mm Ezloc	1	1

Decal Instruction

2 x	Liko	70 x 20 mm art. nr. 900000245	1 x		Art. nr. 900001457 107 x 52 mm Layoutnr: 6
4 x	GOLVO 7000 ES	130 x 22 mm art. nr. 900001842	1 x		Art. nr. 900001680 52 x 21 mm Layoutnr: 42
alt.	GOLVO 7007 ES	alt. 900001843 (G7007)			
1 x	XS S MS M L XL	207 x 25 mm art. nr. 900000542	1 x		Art. nr. 900000525 90 x 70 mm



Decal Instruction

1 x

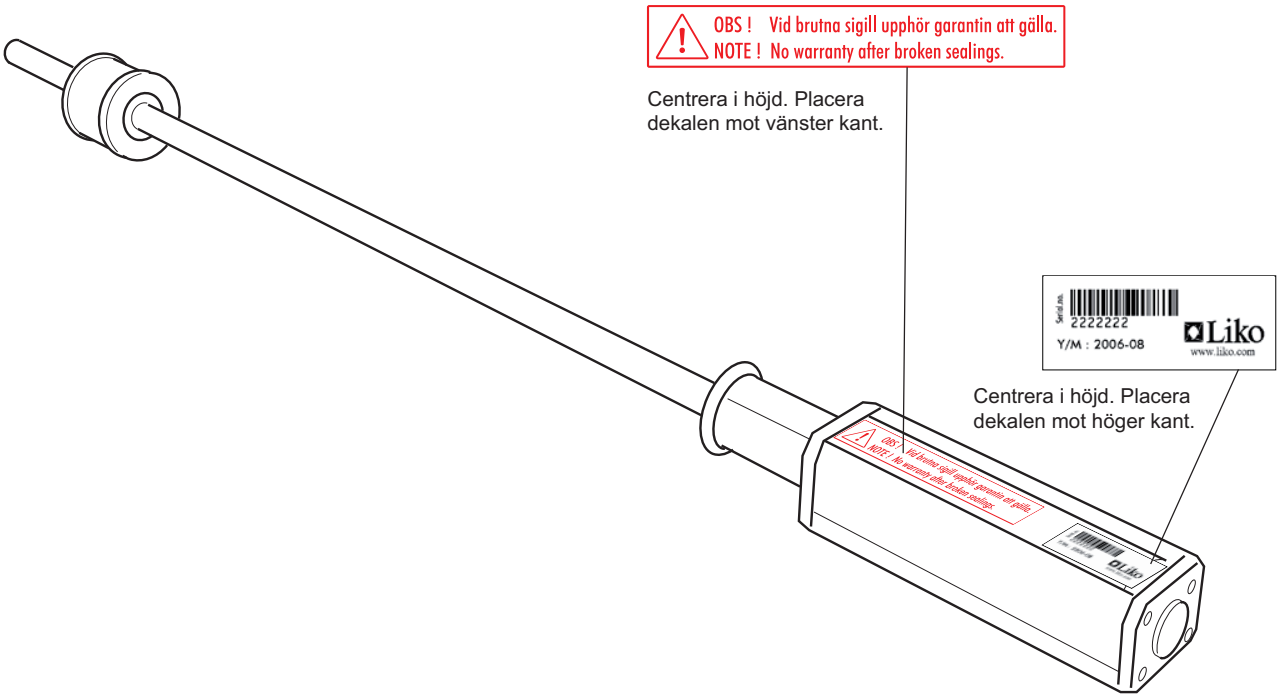
OBS ! Vid brutna sigill upphör garantin att gälla.
NOTE ! No warranty after broken sealings.

15 x 100 mm
art. nr. 900000013

1 x

Serial no. 2222222
Y/M : 2006-08
Liko
www.liko.com

52 x 21 mm
art. nr. 900001680
Layoutnr: 68


OBS ! Vid brutna sigill upphör garantin att gälla.
NOTE ! No warranty after broken sealings.
Centrera i höjd. Placera dekalen mot vänster kant.
Serial no. 2222222
Y/M : 2006-08
Liko
www.liko.com
Centrera i höjd. Placera dekalen mot höger kant.

Liko

Golvo 7000/7007 ES
Periodic inspection

Prod.no. 2000009, 2000010

3EN401001-01
2007-10-12

Lift type:	**Customer Reference:**
Serial No:	Contract No: .....
Version:	Name: .....
Prod. Year:	Address: .....
	(Zip Code) .....

Comments: 1. Attention 2. Correct Immediately 3. Do not Use!

Check point:	**Comments:**
Base	
☐ 1(a) Check for visible damage to the lift base surfaces, finish, etc.*	.....
☐ 2 Check castor wheels and forks.*	.....
☐ 3 Check the castor brakes.*	.....
☐ 4 Inspect the stop screw.*	.....
☐ 5 Inspect base opening and closing.*	.....
☐ 6 Check base frame castor play & levelling.*	.....
Mast	
☐ 1(b) Check for visible damage to the lift mast surfaces, finish, etc.*	.....
☐ 7 Inspect Base attachment secure screws.*	.....
☐ 8 Inspect Armrest.*	.....
☐ 9 Inspect lift arm hardware and covers.*	.....
☐ 10 Inspect Liftstrap.*	.....
☐ 11 Inspect the slingbar bearings and safety latches.*	.....
☐ 12 Check battery and electrical cable installations.*	.....
☐ 13 Check all functions on the handcontrol.*	.....
☐ 14 Check the Emergency Stop function.*	.....
☐ 15 Check electrical emergency-lowering device functions.*	.....
☐ 16 Check charger function.*	.....
☐ 17 Type/model identification decal.*	.....
Load Testing	
☐ 18 Mast Max. Load Test.*	.....
☐ 19 Base Max. Load Test.*	.....
☐ 20 Mechanical Emergency Lowering Load test.*	.....
Documentation	
☐ 21 Instructions.	.....

*** = In the picture at page 2 the check point locations on the product shows.**
Detailed instructions for the check points from page 3.

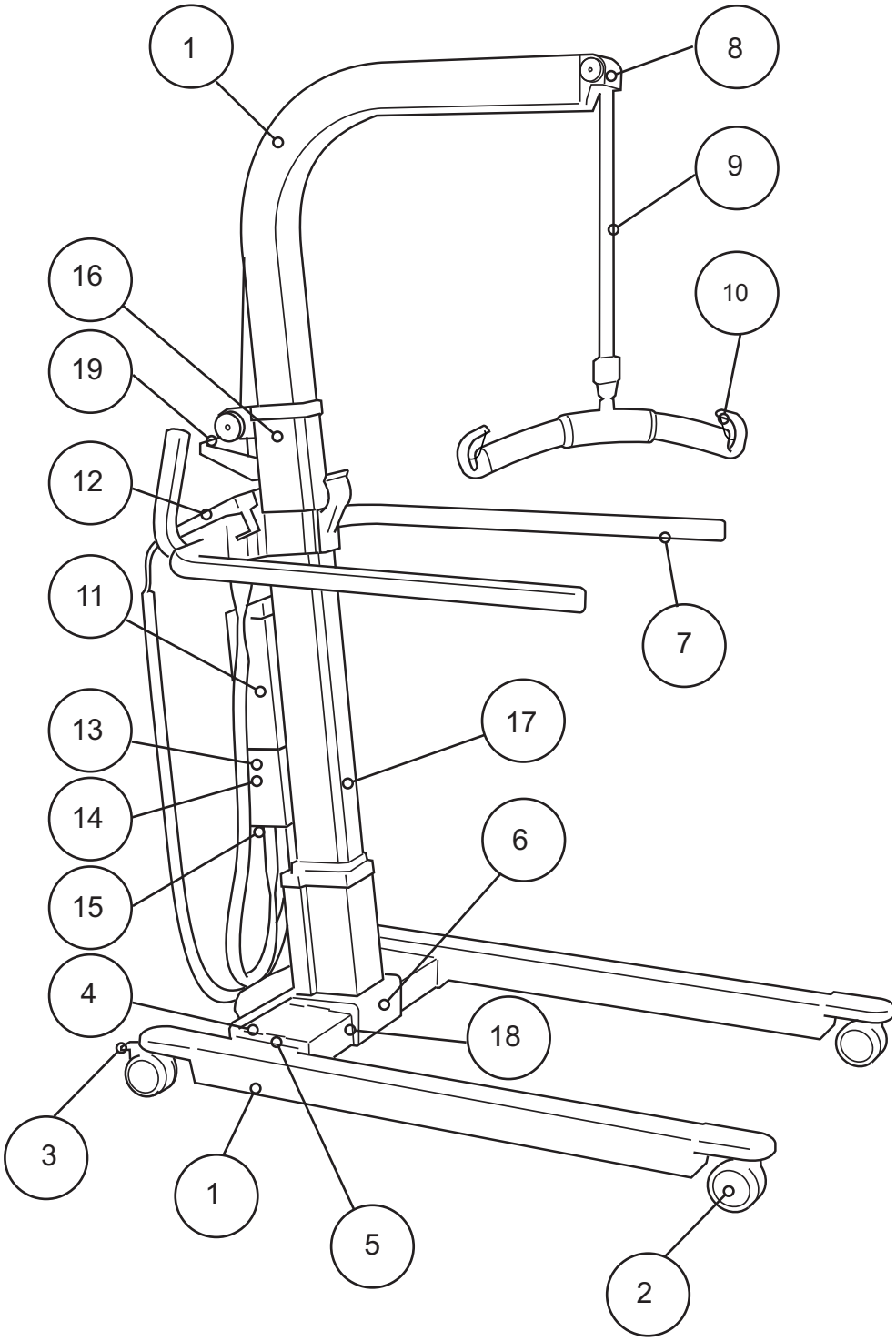
In accordance with ISO 10535:2007 Annex B- Periodic inspection

Date: ..... Load test weight: .....

Serviced by:.....

Check points

Golvo 7000/7007 ES



Instructions for the check points

Golvo 7000/7007 ES

1 (a) Check for visible damage to the lift base surfaces, finish, etc.
- Check for scratches, dents, deformities or unusual surface wear.

2 Check castor wheels and forks.
- Roll the lift, unloaded, along the floor, checking to ensure that all castors roll and turn freely.
- Verify that the castor fasteners are tight. There should not be any play between the fork and the castor nut.

3 Check the castor brakes.
Lock the brakes. Make sure the wheels do not turn and the castor housing does not swivel when the lift is pushed.

4 Inspect the stop screw.
- Verify that the K6S M8x16 screw is secured with a ny-loc nut inside the middle beam.

5 Inspect base opening and closing.
Electrical Base:

-Inspect telescoping insert beam for scratches/gouges
-Inspect that all hardware is tight.
-Verify max. & min. dimensions.

6 Check base frame castor play and levelling.
- Manually open and close legs at the front castors to measure wheel play. Base width wheel play should not exceed 35mm / 1.38 inch total.

7 Inspect Base attachment secure screws.
- Verify that both locking screws are tight in base. In the upper holes on the mast.
- **Note! Do not place any screws in the lower holes!**

8 Inspect Armrest.
- Check for unusual scratches, dents or deformations.
- Verify that both arms rotate freely and hang vertically when not in use.
- Rotate arms to raised position.

9 Inspect lift arm hardware and covers.
- Inspect black plastic lift arm cover for cracks verify edges of cover are secured in groove of aluminium arm.
- Inspect sling size label is positioned above the Emergency lowering handle.

10 Inspect Liftstrap.
- Using the handcontrol, lower the strap to its maximum extension. Inspect the belt for frayed edges, heavy wrinkles or wear through areas.
- Verify Q-link is secure on strap. Slide plastic cover off the Q-link and visually inspect that the lift strap safety pin is seated securly in the middle recess of the Q-link.

11 Inspect the slingbar bearings and safety latches.
- Inspect visually that the steel hanger bars is free from any scratches, sharp edges or deformities.
- Verify, the o-ring is present and positioned in the center bolt groove.
- Check that the unit rotates freely on its bearings. Wipe of any dirt, dust or residue.
- Make sure that both safety latch clips are mounted and fall back against the body of the slingbar.
- Verify that the slingbar fastener are tight to the lift strap.

Instructions for the check points

Golvo 7000/7007 ES

12 Check battery and electrical cable installations.

- Verify battery charge (recharge battery or test w/Prod. No 2101100).
- Inspect that all cords are in the proper receptacles of the control box
  hand control (large DIN receptacle), mast actuator (middle receptacle, port #1), base motor (end receptacle, port #2), extension cord (in front two pin connector) connected to the charging cable.
- Verify that all cables are properly inserted. Reinsert if uncertain.

13 Check all functions on the handcontrol.

- With the emergency stop out, verify that all functions on the handcontrol are working.

14 Check the Emergency Stop function.

- Press in the emergency stop button. Verify it holds and locks in the closed position.
- Next turn the red emergency stop button in the direction of the arrows (clockwise). Verify the button releases from the locked position into the raised, open position.

15 Check electrical emergency-lowering device functions.

- With the emergency stop out, verify that the electrical emergency-lowering device functions.

16 Check charger function.

- With the emergency stop out, insert the charger cable into a power outlet (110-240V). The diode lights on the control unit should light up.

17 Type/model identification decal.

- Verify presence of mast decal with model type and serial number.

18 Mast Max. Load Test.

- Run the lift with maximum load (200kg / 440lbs) all the way up and down. (High and low speed)
- Listen for peculiar noises and vibrations.

19 Base Max. Load Test.

- Run the undercarriage (base) in and out with maximum load (140kg / 308lbs).
- Listen for peculiar noises and vibrations.

20 Mechanical Emergency Lowering Load test.

With load 50kg / 110lbs.

- Check to ensure that the mechanical emergency lowering device functions with load (50kg / 110lbs).
- Manually pull down on the handle marked “Emergency Lowering” and then release the handle upward.

Without load:

- First attach the slingbar to the end of the lift strap.
- Apply slight manual downward pressure on the slingbar. Simultaneously pump the red handle on the mechanical emergency lowering assembly. Verify the spring action handle lowers and recoils upward, and that strap is let out of the strap winding housing.
- Lift upp the slingbar and pump the red handle until the strap rewinds up to the red tag.
- Check for presence of the emergency-lowering red plastic lift strap handle cover.

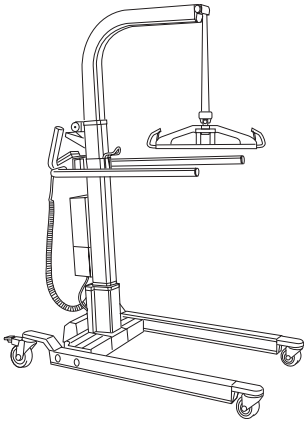
21 Instructions.

-Instruction guide/Service Manual.

Golvo 7000/7007 ES
Product changes

Prod. No: 2000009, 2000010

3EN401701-01
2007-10-10



2007

Changes	Type	S/N	Project
Plastic cover Limit switch trip wireform is removed,	Golvo 7000ES Golvo 7007ES Golvo 7000ES Classic Golvo 7007ES Classic	7024950 7732062 120011 140011	661
Safety latch of steel at the slingbar.	Golvo 7000ES Golvo 7007ES Golvo 7000ES Classic Golvo 7007ES Classic	7024898 7731935 120011 140011	619
New composite safety latch at the sling bar.	Golvo 7000ES Golvo 7007ES	7024838 7731775	

2006

Changes	Type	S/N	Project
New sling bar hook with safetylatch of composite.	Golvo 7000ES Golvo 7007ES	7024742 7731394	467
Black lift strap.	Golvo 7000ES Golvo 7007ES	7024584 7730965	439
New motor.	Golvo 7000ES Golvo 7007ES	7024523 7730842	

2005

Changes	Type	S/N	Project
Emergency Stop guard is mounted on the control box.	Golvo 7000ES Golvo 7007ES	7024311 7730022	
All black details are now grey. ”Facelift.”	Golvo 7000ES Golvo 7007ES	7024206 7729722	206
New electrical motor U-base motor	Golvo 7000ES Golvo 7007ES	7024089 7729228	

2004

Changes	Type	S/N	Project
New gear rack in middle beam.	Golvo 7007ES	7728177	

Prod. No: 2000009, 2000010

3EN401701-01
2007-10-10

2003

Changes	Type	S/N	Project
New controlbox.	Golvo 7000ES Golvo 7007ES	7023699 7727794	102
Limiting switch (mast).	Golvo 7000ES Golvo 7007ES	7023402 7726985	
Reinforcement Plate to avoid broken roll frame attachment and twisted lift strap.	Golvo 7000ES Golvo 7007ES	7023315 7726728	
Front fork upgraded and new style on front fork cover.	Golvo 7000ES Golvo 7007ES	7023315 7726705	

2002

Changes	Type	S/N	Project
BumpOn SJ50 article.no 900000391 on version V9 replaced with screw and spring	Golvo 7000ES Golvo 7007ES	7023107 7726621	
New strap joint Type Q-Link.	Golvo 7000ES Golvo 7007ES	7023089 7726267	
New colour coating on handcontrols.	Golvo 7000ES Golvo 7007ES	7022974 7725986	
New strapguide on lift strap.	Golvo 7000ES Golvo 7007ES	7022914 7725944	
Ny front fork.	Golvo 7000ES Golvo 7007ES	7022823 7725640	

2001

Changes	Type	S/N	Project
New motor for actuator.	Golvo 7000ES Golvo 7007ES	7022584 7725044	
Electrical motor U-base shield	Golvo 7000ES Golvo 7007ES	7022413 7724642	

2000

Changes	Type	S/N	Project
4 pce shims 8x14x0,2 on screw for Emerg. Low. Device.	Golvo 7000ES Golvo 7007ES	7022125 7723681	
New legs,3 cm longer. (7723692 has 7723709 has old legs.)	Golvo 7007ES	7723690	
Inner mast at 7007 is shorted 2 cm. (723598-3603,7723627 has the old inner mast.)	Golvo 7007ES	7723630	
M6 hole on innermast moved.	Golvo 7000ES Golvo 7007ES	7021906 7723159	
Stopscrew in mast (MC6S M8x10 Ezloc).	Golvo 7000ES Golvo 7007ES	7021824 7722995	
Slingbar in stainless steel.	Golvo 7000ES Golvo 7007ES	7021713 7722761	

Prod. No: 2000009, 2000010

3EN401701-01
2007-10-10

1999

Changes	Type	S/N	Project
New base motor.	Golvo 7000ES Golvo 7007ES	7021494 7722428	
BumpOn on the middlebeam to mount the mast.	Golvo 7000ES Golvo 7007ES	7021267 7721876	

1998

Changes	Type	S/N	Project
New Micro-switch in handcontrol.	Golvo 7000ES Golvo 7007ES	7020918 7721167	
Holder for charging cable monted on battery box.	Golvo 7000ES Golvo 7007ES	7020934 7721191	

1997

Changes	Type	S/N	Project
New electrical cover aluminum (EB cover).	Golvo 7000ES Golvo 7007ES	7020539 7720555	
Topcover IKPT1512G in controlbox.	Golvo 7000ES Golvo 7007ES	7020539 7720555	
Track for locking ring, in plastic cover. (S/N 70385, Actuator)	Golvo 7000ES Golvo 7007ES	7020289 7720251	
New damper on actuator in lower attachm. (S/N 70113, Actuator)	Golvo 7000ES Golvo 7007ES	7020179 7720163	
S/n and week signature on actuator.	Golvo 7000ES Golvo 7007ES	7020145 7720111	
UL-approved controlbox, handcontrol, charger cable.	Golvo 7000ES Golvo 7007ES	7020119 7720073	
Wheels with grey topcover .	Golvo 7000ES Golvo 7007ES	7020119 7720073	

1996

Changes	Type	S/N	Project
First Golvo 7000/7007 ES.	Golvo 7000ES Golvo 7007ES	7020001 7720024	